



# GENERAL DESCRIPTION OF PRODUCT

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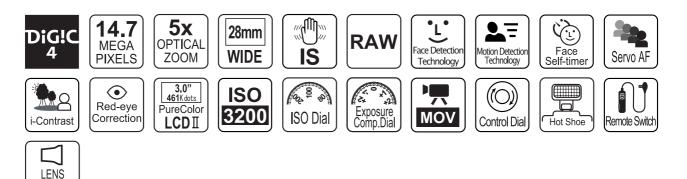
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# 1. Overview

Accessories

As the successor model to the PowerShot G series PowerShot G9, which was Canon's ultimate compact digital camera, the PowerShot G10 incorporates a new 14.7-megapixel CCD, the new DIGIC 4 processor, and the long-anticipated wide-angle 28 mm 5x zoom lens for securing perfection in every detail as the flagship model.



### 1-1 Summary of Main Features

Text highlighted in red: New features introduced with the PowerShot G10, Text highlighted in blue: Differences from the PowerShot G9

# High Image Quality

- DIGIC 4 imaging processor provides improved high image quality and functionality
- High-resolution 14.7-mega camera effective pixel CCD supports prints up to A2 size
- 5x zoom lens with lens-shift type image stabilizer significantly reduces camera shake
  - 28 140 mm (35mm film equivalent), f/2.8 (W) f/4.5 (T)
- RAW mode capable of recording without loss of image quality
  - Digital Photo Professional, the same application software as for the EOS cameras
- High ISO Auto<sup>\*</sup> and high ISO-speed 1600 greatly reduce camera shake and subject blur
  - \* Automatically changes the ISO speed and shutter speed according as the subject movement when the camera detects any face (New motion detection technology)
- iSAPS technology enables high-speed AF and high-definition AE/AWB

# **Full Featured**

### **Shooting Features**

#### <Still Images>

- Face detection function (Face detection technology)
  - Face Detect AF focuses on the faces in the scene
    - AF frame can be moved and fixed to a specified face
    - Improved face detection and tracking performance

- Face Detect AE also evaluates the brightness of faces in the scene when evaluating exposure
- Face Detect WB evaluates the color of the faces in the scene when adjusting the white balance
- Face Detect FE controls the flash output for optimum face brightness during flash photography
- Auto red-eye correction performs automatic correction for red-eye that occurs during flash photography
- FaceSelf-Timer detects faces in the scene and releases the shutter in response to the appearance of an additional face
- Servo AF continues to track the subject after pressing the shutter button halfway
  - If detecting the face in the scene, observing the face closely
- AF-Point Zoom allows to check the focus when pressing the shutter button halfway
  - An enlarged display of the face by means of face detection when Face Detect AF is on
- i-Contrast for shooting automatically controls the exposure and tone optimally for each scene
- AF frame size is selectable between 'Normal' or 'Small'
  - When 'Small' is selected for 9-point AiAF, the position of the whole AF frame can be moved
- Auto ISO shift raises the ISO speed to allow a shake free shutter speed
- Safety FE reduces the occurrence of highlight blowout during flash photography at close distances
- Two custom white balance positions allow two white balance settings
- AF mode allows selection of Single (at shooting) or Continuous (always on) AF
- Continuous shooting AF takes continuous shots while focusing on a moving subject
- Digital tele-converter easily allows telephoto photography as if a tele-converter is attached
- Real-time histogram displays the brightness distribution of the scene in real time during shooting
- Program shift allows changing the shutter speed and aperture value combinations while keeping the optimum exposure
- Safety shift automatically shifts the shutter speed or aperture value to obtain the optimum exposure
  - This function is available with just one push in the Manual shooting mode
- Focus bracketing/AE bracketing enables shooting while making fine adjustments to the focus and exposure
- Image Inspection Tool checks image focus during rec. review

### <Movies>

■ Newly equipped MOV movie enables longer time recording to less capacity of memory card

### <Still Images, Movies>

- 26 shooting modes including ISO 3200
  - Sunset mode is added to scene mode
- Manual focus can adjust the focus depending on user's intention
- Safety MF controls fine focus tuning when pressing the shutter button halfway during manual focus photography
- Auto Category sets categories based on the shooting mode and the presence of faces in the scene
- My Colors enables customization of the colors in the scene during shooting

### **Playback Features**

#### <Still Images>

- i-Contrast for playback controls the exposure and tone in 3 levels for each image
- Red-eye correction uses the face detection function to automatically correct red-eye that occurred during flash photography
- Trimming centered around faces is possible using the face detection function
- Recorded images can be resized to 1600 x 1200 pixels, 640 x 480 pixels, and 320 x 240 pixels
- Image Inspection Tool enables confirmation of the focus for playback images
- My Category allows sorting images into categories
- The Jump function enables instant jumping to and playback of specific images based on keywords or categories
- My Colors enables customization of the colors in the scene during playback
- Image ranges (first image and last image) can be selected for performing batch printing and erasing operations
- Transition adds fade-in and fade-out effects when switching between playback images

#### <Still Images, Movies>

- Resume Playback starts playback from last viewed image (still image) or frame (movie)
- Automatic image rotation is linked to the camera's orientation (Intelligent Orientation Sensor)

### **Printing Features**

- Both PictBridge and Canon Direct Print supported
- Print Order is available by pressing the Print/Share button during playback
- Recognizes DPOF files and changes to the print order screen when the camera is connected to a printer

# **Easy Operation**

- Exposure Compensation Dial for easily adjusting the exposure compensation
- ISO Dial enables setting of the optimum ISO speed depending on the scene
- Control Dial enabling easy control of a various functions
- Playback button switches between shooting mode and playback mode by one-push operation
- **Remote switch enables easy shutter release for photography using a tripod**
- Bar-shaped exposure marker shows the difference between manual and automatic exposure settings
- Remote shooting enables shooting operation from a computer
- Transition to shooting mode by pressing the shutter button halfway during playback mode
- The shutter sound is synchronized with the actual shutter speed
- My Menu that allows registering of five user-selected options from the shooting menu
- Shortcuts can be assigned to the Print/Share button for improved ease of operation
- Selected ISO speed is displayed in 1/3 stop increments on the LCD monitor
  - ISO speed is displayed when pressing the shutter button halfway while Auto or High ISO Auto is selected
  - The raised ISO speed is displayed when using the Auto ISO shift
- Shutter speed and f/number are displayed on the LCD monitor when pressing the shutter button halfway during shooting
- Round number of total pixels are displayed together with the number of recording pixels (horizontal pixels x vertical pixels)
- Battery power displays in 3 levels on the LCD monitor

# Others

- Large size (3.0-inch type) LCD monitor with high-resolution (approx. 461,000 dots) and wide viewing angle (Pure Color LCD II)
  - High contrast and faithful color reproduction
  - Finished with the multiple coatings to prevent smudging, scratching, or reflection of light
- Sound recorder capable of up to two hours of audio recording
  - Manual adjustment of mic level possible (with level meter)
- Multi-colored UI
- UI display available in 26 languages<sup>\*</sup>

\* Farsi is added

- Large capacity new battery NB-7L (1050 mAh)
- Hot shoe enables attaching of external flashes
- Tele-converter lens enables shooting of wide variety of scenes

# Design

- "The Field G" is the design keyword for this G series camera
  - Quality of material and compactness have been merged into the stylish G series design

# 1-2 Comparison of Main Features

• Highlighted table items indicate changes from the PowerShot G9. Text in red shows differences. Conditions may apply depending on items (for details, see3-1 Product Specifications).

|                                    |                                  |   | PowerShot G10  | PowerShot G9  |  |  |  |  |  |
|------------------------------------|----------------------------------|---|--|---|--|--|--|--|--|
| Ima                                | ige Sensor                       | Camera Effective  | Approx. 14.7 million pixels (CCD)  | Approx. 12.1 million pixels (CCD)   |  |  |  |  |  |
|                                    |                                  | Pixels<br>35mm film equivalent)   | 5x zoom: 28 (W) – 140 (T) mm   | 6x zoom: 35 (W) – 210 (T) mm  |  |  |  |  |  |
|                                    | T Ocal Length (                  | Normal  | 50 cm (1.6 ft.) – infinity   | 0x 20011. 33 (W) = 210 (1) 11111  |  |  |  |  |  |
| Lens                               | Focusing Macro                   |   | 1 - 50  cm (0.39  in. - 1.6  ft.) (W)  |   |  |  |  |  |  |
| Ľ                                  | Range                            | Super Macro   | -  |   |  |  |  |  |  |
| Image Stabilizer (IS) System       |                                  |   | Lens-shift type  |   |  |  |  |  |  |
| Imaging Processor                  |                                  |   | DIGIC 4 DIGIC III  |   |  |  |  |  |  |
| Vie                                | wfinder                          |   | Real-image optical zoom viewfinder (Dioptric adjustmer   | ,   |  |  |  |  |  |
| LCD Monitor Type<br>Features       |                                  |   | 3.0-inch type, color LCD with wide viewing angle<br>(Effective dots: Approx. 461,000 dots)   | 3.0-inch type, color LCD with wide viewing angle<br>(Effective dots: Approx. 230,000 dots)  |  |  |  |  |  |
|                                    |                                  | Features  | Brightness adjustment (15 levels, Quick-bright LCD)  |   |  |  |  |  |  |
| Foo                                | cus                              |   | Single, continuous<br>AF (Face Detect <sup>1+2</sup> / AiAF (9-point) <sup>*3</sup> / center / FlexiZou<br><sup>*1</sup> AF frame can be moved and fixed to specified face.<br><sup>*2</sup> If no face is detected, AiAF (9-points) are used.<br><sup>*3</sup> Normal or small sizes can be selected.<br>Manual focus |   |  |  |  |  |  |
| Me                                 | tering System                    |   | Evaluative <sup>*1</sup> , Center-weighted average, Spot <sup>*2</sup><br><sup>*1</sup> Control to incorporate facial brightness in Face Detec<br><sup>*2</sup> Fixed to center / linked to the AF frame   | at AF.  |  |  |  |  |  |
|                                    | ) Speed (Standa<br>commended Exp | ard Output Sensitivity,<br>posure Index)  | Auto, High ISO Auto, ISO 80/100/200/400/800/1600   |   |  |  |  |  |  |
| Wh                                 | ite Balance                      |   | Auto <sup>*</sup> , Day Light, Cloudy, Tungsten, Fluorescent,<br>Fluorescent H, Flash, Underwater, Custom1, Custom2<br>The colors of faces are evaluated in Face Detect AF   | Auto, Day Light, Cloudy, Tungsten, Fluorescent,<br>Fluorescent H, Flash, Underwater, Custom1, Custom  |  |  |  |  |  |
| Shi                                | utter Speeds                     |   | 1/60 – 1/4000 sec. (Auto mode)<br>15 – 1/4000 sec. (Total shutter speed range)   | 1/60 – 1/2500 sec.<br>15 – 1/2500 sec. (Total shutter speed range)  |  |  |  |  |  |
|                                    |                                  | Туре  | Iris type  | · · · ·   |  |  |  |  |  |
| Аре                                | erture                           | f/number  | $f/2.8 - f/8.0^{\circ}$ (W), $f/4.5 - f/8.0^{\circ}$ (T)<br>* The f/number can be set to f/11 in Auto mode.  | f/2.8 – f/8.0 <sup>*</sup> (W), f/4.8 – f/8.0 <sup>*</sup> (T)<br>* The f/number can be set to f/11 in Auto mode.   |  |  |  |  |  |
| Fla                                | sh                               | Range   | Normal: 30 cm - 4.6 m (W), 50 cm - 2.8 m (T)<br>(12 in 15 ft. (W), 1.6 - 9.2 ft. (T))  | Normal: 30 cm - 4.0 m (W), 50 cm - 2.5 m (T)<br>(12 in 13 ft. (W), 1.6 - 8.2 ft. (T))   |  |  |  |  |  |
|                                    | Main Features<br>(Differences)   |   | -  |   |  |  |  |  |  |
| cations                            | Shooting Modes                   |   | Auto, P, Tv, Av, M, C1, C2, SCN <sup>*</sup> , Stitch Assist, Movie<br>Portrait, Landscape, Night Scene, Sports,<br>Night Snapshot, Kids & Pets, Indoor, Sunset,<br>Foliage, Snow, Beach, Fireworks, Aquarium,<br>Underwater, ISO 3200, Color Accent, Color Swap   | Auto, P, Tv, Av, M, C1, C2, SCN <sup>*</sup> , Stitch Assist, Movie<br>Portrait, Landscape, Night Scene, Sports,<br>Night Snapshot, Kids & Pets, Indoor, Foliage, Snov<br>Beach, Fireworks, Aquarium, Underwater,<br>ISO 3200, Color Accent, Color Swap |  |  |  |  |  |
| Shooting Specifications            | Digital Zoom                     |   | Still images/Movies: Approx. 4.0x (up to approx. 20x in combination with the optical zoom) Safety Zoom, Digital tele-converter   | Still images/Movies: Approx. 4.0x (up to approx. 24x in<br>combination with the optical zoom) Safety Zoom,<br>Digital tele-converter  |  |  |  |  |  |
| oting                              | Main Features (Differences)      |   | i-Contrast, Auto red-eye correction, AF-Point Zoom,<br>FaceSelf-Timer  | -   |  |  |  |  |  |
| Sho                                | Continuous Shooting              |   | Normal: Approx. 1.3 shots/sec.,<br>AF: Approx. 0.7 shots/sec.,<br>LV: Approx. 0.7shots/sec.  | Normal: Approx. 1.5 shots/sec.,<br>AF: Approx. 0.7 shots/sec.,<br>LV: Approx. 0.8 shots/sec.  |  |  |  |  |  |
|                                    |                                  | ages Shot (CIPA)  | Approx. 400 images   | Approx. 240 images  |  |  |  |  |  |
|                                    | Recording Me                     | dia   | SD memory card, SDHC memory card, MultiMediaCard   |   |  |  |  |  |  |
|                                    | File Format                      |   | Design rule for camera file system, DPOF (Version 1.1)   | compliant   |  |  |  |  |  |
| SC                                 | <b>D</b> ( <b>T</b>              | Still Images  | Exif 2.2 (JPEG), RAW (CR2 (Canon original))<br>MOV (Image data: H.264, Audio data: Linear PCM  | AVI (Image data: Motion JPEG, Audio data: WAVE  |  |  |  |  |  |
| atio                               | Data Type                        | Movies  | (Monaural))  | (Monaural))   |  |  |  |  |  |
| cific                              |                                  | Audio   | Sound memos, sound recorder: WAVE (Monaural)   | Large 4000 x 2000 Medium 1: 2204 x 2240   |  |  |  |  |  |
| g Spe                              |                                  | Still Images  | Large: 4416 x 3312, Medium 1: 3456 x 2592,<br>Medium 2: 2592 x 1944, Medium 3: 1600 x 1200,<br>Small: 640 x 480, Widescreen: 4416 x 2480   | Large: 4000 x 3000, Medium 1: 3264 x 2248,<br>Medium 2: 2592 x 1944, Medium 3: 1600 x 1200,<br>Small: 640 x 480, Widescreen: 4000 x 2248  |  |  |  |  |  |
| Recording Specifications           | Number of<br>Recording<br>Pixels | MoviesStandard, Color Accent, Color Swap:<br>640 x 480 (30 fps), 320 x 240 (30 fps)<br>• Not compatible with AVI type |  | High Resolution: 1024 x 768 (15 fps)<br>Standard, Color Accent, Color Swap:<br>640 x 480 (30 fps/30 fps LP) / 320 x 240 (30 fps)<br>Compact: 160 x 120 (15 fps)<br>Time Lapse: 640 x 480 (0.5/1 fps)<br>* Plays back at 15 fps                          |  |  |  |  |  |
|                                    | Others (Differe                  | ences)  | -  | 2 1 -   |  |  |  |  |  |
| Spec.                              | Main                             | Still Images  | i-Contrast, Trimming   | -   |  |  |  |  |  |
| Spe                                | Features<br>(Differences)        | Movies  | -  |   |  |  |  |  |  |
|                                    | play Languages                   |   | 26 languages (The models for Japanese market available with 2 languages (Japanese and English) only)   | 25 languages (The models for Japanese market availab with 2 languages (Japanese and English) only)  |  |  |  |  |  |
| Inte                               | erface                           |   | Digital input/output (Hi-Speed USB <sup>*1</sup> (MTP, PTP suppor<br>Audio and video output <sup>*2</sup><br><sup>*1</sup> mini-B<br><sup>*2</sup> Ø3.5 mm jack  | ted))   |  |  |  |  |  |
| Pov                                | ver Source                       |   | Battery Pack NB-7L<br>AC Adapter Kit ACK-DC50  | Battery Pack NB-2LH<br>AC Adapter Kit ACK-DC20<br>Car Battery Charger CBC-NB2   |  |  |  |  |  |
| Din                                | nensions (exclud                 | ding protrusions)   | 109.1 x 77.7 x 45.9 mm (4.30 x 3.06 x 1.81 in.)  | 106.4 x 71.9 x 42.5 mm (4.19 x 2.83 x 1.67 in.)   |  |  |  |  |  |
| Dimensions (excluding protrusions) |                                  |   | Approx. 350 g (12.3 oz.)   | Approx. 320 g (11.3 oz.)  |  |  |  |  |  |

# 2. Exterior

# 2-1 Exterior Photos

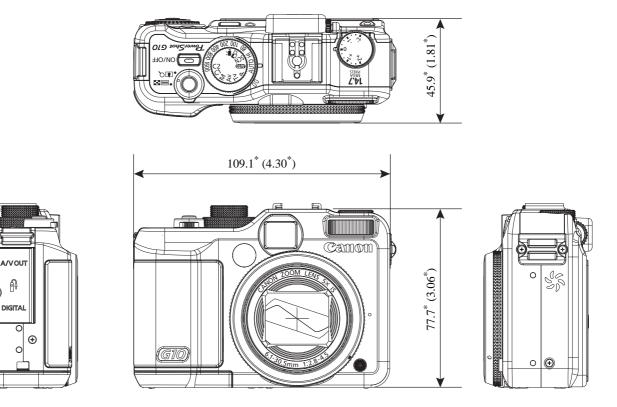


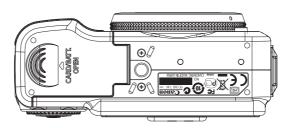


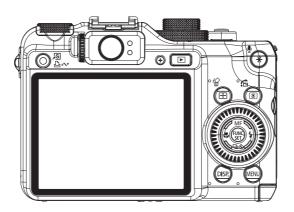




Unit : mm (inch) \*Nominal Dimensions







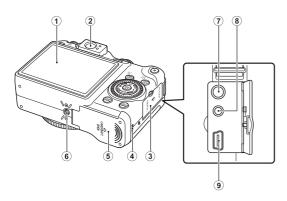


### 2-3 Nomenclature

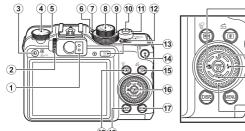
Front View



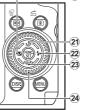
Back View



#### Operations







20

- ① Lamp (AF Assist Beam,Red-Eye Reduction Lamp,Self-Timer Lamp)
- Strap Mount
- ③ Hot Shoe
- ④ Flash
- (5) Speaker
- 6 Ring Release Button
- ⑦ Ring
- ⑧ Lens
- ① Screen (LCD Monitor)
- 2 Viewfinder
- ③ Terminal Cover
- (4) DC Coupler Cable Cover
- (5) Memory Card/Battery Cover
- ⑥ Tripod Socket
- ⑦ A/V OUT (Audio/Video output) Terminal
- 8 Remote Control Terminal
- (9) DIGITAL Terminal
- ① Indicator
- 2 Diopter Adjustment Dial
- ③ S(Shortcut)/ 凸 cv (Print/Share) Button
- (4) Exposure Compensation Dial
- (5) Exposure Compensation Lamp
- 6 ISO Speed Lamp
- ⑦ Microphone
- (8) Mode Dial (9) ISO Speed Dial
- 1 Shutter Button
- 1 Zoom Lever
- Shooting: IIII (Wide Angle)/ [4] (Telephoto) Playback: []=[ (Index)/Q (Magnify)
- 12 Power Switch/Power Lamp
- (1) (Playback) Button
- (I) ★ (AE Lock/FE Lock)/ (Microphone) Button
- 15 (Metering)/ € (Jump) Button
- 16 FUNC./SET(Function/Set) Button
- 1 MENU Button
- 18 DISP.(Display) Button
- 20 😴 (Macro) Button/ Button
- ② MF(Manual Focus)/✦ Button
- ② \$ (Flash)/ → Button
- ② Control Dial

# 3. Specifications

## **3-1 Product Specifications**

Note: Description of the "Product Specifications" refers to "CIPA DCG-002-2007 Specification Guideline for Digital Cameras".

\*The measured data with no annotation is measured under normal temperature.

| Imaging Processor             | DIGIC       | 24  |                           |                              |                           |  |  |
|-------------------------------|-------------|---|---------------------------|------------------------------|---------------------------|--|--|
|                               |             |   |                           |                              |                           |  |  |
| Image Sensor                  |             |   |                           |                              |                           |  |  |
| Туре                          | CCD         |   |                           |                              |                           |  |  |
| Camera Effective Pixels       | Appro       | x. 14.7 million   |                           |                              |                           |  |  |
| Total Pixels                  | Appro       | x. 15.0 million   |                           |                              |                           |  |  |
| Image Size                    | 1/1.7-i     | nch type  |                           |                              |                           |  |  |
| Aspect Ratio                  | 4:3         |   |                           |                              |                           |  |  |
| Color Filter Type             | Prima       | ry color (Bayer type)   |                           |                              |                           |  |  |
|                               |             |   |                           |                              |                           |  |  |
| Lens                          |             |   |                           |                              |                           |  |  |
| Focal Length                  | 6.1 (W      | (W) – 30.5 (T) mm (35mm film equivalent: 28 (W) – 140 (T) mm) |                           |                              |                           |  |  |
| f/number<br>(widest aperture) | f/2.8 (     | .8 (W) – f/4.5 (T)  |                           |                              |                           |  |  |
| Lens Construction             |             | 1 elements in 9 groups<br>1 double side aspherical lens       |                           |                              |                           |  |  |
| Zoom Magnification            | 5x          |   |                           |                              |                           |  |  |
| Image Stabilizer System       | Lens-s      | ns-shift type   |                           |                              |                           |  |  |
| Effect                        | Appro       | ox. 4 steps   |                           |                              |                           |  |  |
| Focusing Range and Image      | Area (Image | magnification rati  | ios are 35mm film equ     | uivalent)                    |                           |  |  |
|                               |             | Max. V  | Vide Angle                | Max.                         | Telephoto                 |  |  |
| Shooting Mode                 | e           | Focusing Range <sup>*4</sup>                                  | Image Area at the Minimum | Focusing Range <sup>*4</sup> | Image Area at the Minimum |  |  |

|   |                            |   | inde / ingle  | mana relepitete   |   |  |
|---|----------------------------|---|---|---|---|--|
| Shoo  | oting Mode                 | Focusing Range <sup>*4</sup> (from the front of the lens) | Image Area at the Minimum<br>Focusing Distance<br>[Image Magnification] | Focusing Range <sup>*4</sup> (from the front of the lens) | Image Area at the Minimum<br>Focusing Distance<br>[Image Magnification] |  |
|   | Normal                     | 50 cm (1.6 ft.)   |   | 50 cm (1.6 ft.)<br>– infinity                             | _   |  |
| Auto, P, Tv, Av,<br>M, C1, C2,<br>SCN <sup>*1</sup> , | With Tele-converter        | _   | _   | 55 cm (1.8 ft.)<br>– infinity                             | 132 x 99 mm<br>(5.2 x 3.9 in.) [0.26x]                                  |  |
| Stitch Assist,<br>Movie                               | Macro* <sup>2</sup>        | 1 – 50 cm<br>(0.39 in. – 1.6 ft.)                         | 32 x 23 mm<br>(1.3 x 0.9 in.) [1.16x]                                   | 30 – 50 cm<br>(12 in. – 1.6 ft.)                          | 93 x 70 mm<br>(3.7 x 2.8 in.) [0.37x]                                   |  |
|   | Manual Focus* <sup>3</sup> | 1 cm (0.39 in.)<br>– infinity                             | 32 x 23 mm<br>(1.3 x 0.9 in.) [1.16x]                                   | 30 cm (12 in.)<br>– infinity                              | 93 x 70 mm<br>(3.7 x 2.8 in.) [0.37x]                                   |  |
| Sports  |                            | 1 m (3.3 ft.)<br>– infinity                               | -   | 2 m (6.6 ft.)<br>– infinity                               | -   |  |
| Fireworks   |                            | Not disclosed   | -   | Not disclosed   | -   |  |
| Kids & Pets   |                            | 1 m (3.3 ft.)<br>– infinity                               | -   | 1 m (3.3 ft.)<br>– infinity                               | -   |  |

\*1 Excluding Sports, Fireworks, and Kids & Pets.
\*2 Cannot be selected in Landscape.
\*3 Cannot be selected in Stitch assist and Auto.
\*4 From the front of the attached lens when the lens accessory is attached.

| <b>Optical Viewfinder</b> |  |
|---------------------------|--|
| Туре                      | Real-image zoom viewfinder   |
| Picture Coverage          | <ul><li>Approx. 77% (representative value)</li><li>An eclipse of the viewfinder may occur depending on lens zoom position.</li></ul> |
| Eyepoint                  | 15 mm (0.59 in.)   |
| Dioptric Adjustment       | $-3.0 - +1.0 \text{ m}^{-1} \text{ (dpt)}$   |

**Electronic Viewfinder** 

Not available

| LCD Monitor           |   |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|
| Туре                  | TFT color (Pure Color LCD II)   |  |  |  |  |  |
| Effective Dots        | Approx. 461,000 dots  |  |  |  |  |  |
| Display Size          | y Size 3.0-inch type, with wide viewing angle   |  |  |  |  |  |
| Aspect Ratio          | 4:3   |  |  |  |  |  |
| Picture Coverage      | 100%  |  |  |  |  |  |
| Brightness Adjustment | 15 levels   |  |  |  |  |  |
| Quick-bright LCD      | Available   |  |  |  |  |  |
| Variangle             | Not available   |  |  |  |  |  |
| Focus Control         |   |  |  |  |  |  |
| AF System             | TTL autofocus / Manual focus <sup>*</sup><br>* Shooting standby only in movie mode.   |  |  |  |  |  |
| Auto Focus            |   |  |  |  |  |  |
| AF Mode               | Single / continuous   |  |  |  |  |  |
| Servo AF              | Available <ul> <li>Not selectable when "AF-point zoom" is on or "FaceSelf-Timer" is set.</li> </ul>   |  |  |  |  |  |
| AF Frame              | Face Detect <sup>*1*2</sup> , AiAF (9-points), center, FlexiZone<br><sup>*1</sup> AF frame can be moved and fixed to specified face.<br><sup>*2</sup> If no face is detected, AiAF (9-points) are used. |  |  |  |  |  |
| AF-Point Zoom         | Available<br>• Not available in AiAF.   |  |  |  |  |  |
| Size Select           | <ul><li>Standard, Small</li><li>Available when AiAF (9-points) or FlexiZone is selected.</li></ul>  |  |  |  |  |  |
| AF Lock               | Available   |  |  |  |  |  |
| AF-assist Beam        | Available   |  |  |  |  |  |
| Manual Focus          |   |  |  |  |  |  |
| MF-Point Zoom         | Available   |  |  |  |  |  |
| MF Indicator          | Available (unit used to indicate distances selectable)  |  |  |  |  |  |
| Focus Fine Tuning     | Available   |  |  |  |  |  |
| Safety MF             | Available   |  |  |  |  |  |
|                       |   |  |  |  |  |  |

| Exposure Control   |  |  |  |   |   |  |  |  |  |
|--|--|--|--|---|---|--|--|--|--|
| Metering System  | Evaluative <sup>*1</sup> , Center-we <sup>*1</sup> Facial brightness is al<br><sup>*2</sup> Fixed to center or link  | so evaluated in  | Face Detect AF   | 2   |   |  |  |  |  |
| Manual Exposure  | Available<br>• Level indicator display   | v available.   |  |   |   |  |  |  |  |
| AE Lock  | Available<br>• Shooting standby only   | in movie mode  |  |   |   |  |  |  |  |
| i-Contrast   | Available  |  |  |   |   |  |  |  |  |
| Exposure Compensation (Still images)   | $\pm 2$ stops in 1/3-stop increments   |  |  |   |   |  |  |  |  |
| Exposure Shift (Movies)  | <ul><li>±2 stops in 1/3-stop increments</li><li>Shooting standby only.</li></ul>   |  |  |   |   |  |  |  |  |
| Program Shift  | Available<br>• With assistant indicato   | r by Av bar and  | l Tv bar.  |   |   |  |  |  |  |
| Safety Shift   | Available  |  |  |   |   |  |  |  |  |
| ISO Speed<br>(Standard Output Sensitivity,<br>Recommended Exposure Index)                    | Auto <sup>*1</sup> , High ISO Auto <sup>*1</sup> Camera automatically<br>brightness.<br>* <sup>2</sup> Camera automatically<br>and subject movement  | sets the optimal   | nal speed acco   | rding to shooting mo  | ode, subject brightr                        |  |  |  |  |
| Auto ISO Shift   | On / Off   |  |  |   |   |  |  |  |  |
| ND Filter (built-in) Insertion   | Light intensity reduction  | n: 3 stops (Inte   | ensity become  | s 1/8 of actual   | Level)                                      |  |  |  |  |
| White Balance  |  |  |  |   |   |  |  |  |  |
| Modes  | Auto <sup>*</sup> , Day Light, Clou<br>Custom 1, Custom 2<br><sup>*</sup> The colors of faces are  |  |  | Fluorescent H,  | Flash, Underwa                              |  |  |  |  |
| Shutter, Aperture  |  |  |  |   |   |  |  |  |  |
|  |  |  |  |   |   |  |  |  |  |
| · •  | Mechanical shutter and   | electronic shu   | itter  |   |   |  |  |  |  |
| Shutter Type<br>Aperture Type  | Mechanical shutter and<br>Iris type  | electronic shu   | itter  |   |   |  |  |  |  |
| Shutter Type   |  | nutter speed rat<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6,<br>0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>00, 1/2500, 1/3  | nge.)<br>shooting modes<br>able in Tv mod<br>1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Us  | e or M mode:<br>0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>000, 1/640, 1/80  |   |  |  |  |  |
| Shutter Type<br>Aperture Type  | Iris type<br>1/60 – 1/4000 sec.<br>15 – 1/4000 sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, 1/5, 1/6, 1/8, 1/1<br>1/100, 1/125, 1/160,<br>1/1250, 1/1600, 1/20   | nutter speed ran<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>00, 1/2500, 1/3<br>mode or M mode<br>- f/8.0* (T)<br>et to f/11 when<br>ers are available<br>0, 4.5, 5.0, 5.6, 0, 0                               | nge.)<br>shooting modes<br>able in Tv mod<br>1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Us<br>ode.<br>in Auto mode.<br>a in Av mode or<br>6.3, 7.1, 8.0   | e or M mode:<br>0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>00, 1/640, 1/80<br>nit: sec.)   |   |  |  |  |  |
| Shutter Type<br>Aperture Type<br>Shutter Speeds<br>f/number<br>Relationship between f/number | Iris type<br>1/60 - 1/4000 sec.<br>15 - 1/4000 sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, $1/5$ , $1/6$ , $1/8$ , $1/11/100$ , $1/125$ , $1/160$ ,<br>1/1250, $1/1600$ , $1/20• Tv bar displayed in Awf/2.8 - f/8.0$ (W) / $f/4.5* The f/number can be s• The following f/numboW: f/2.8, 3.2, 3.5, 4.0T: f/4.5, 5.0, 5.6, 6.3• Av bar displayed in TwMax. wide angle$  | nutter speed ran<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>00, 1/2500, 1/3<br>mode or M mode<br>- f/8.0* (T)<br>et to f/11 when<br>ers are available<br>0, 4.5, 5.0, 5.6, 0, 0                               | nge.)<br>shooting modes<br>able in Tv mod<br>. 1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Un<br>ode.<br>in Auto mode.<br>e in Av mode or<br>6.3, 7.1, 8.0<br>ode.   | e or M mode:<br>0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>(00, 1/640, 1/800<br>nit: sec.)<br>M mode:  | 0, 1/1000,                                  |  |  |  |  |
| Shutter Type<br>Aperture Type<br>Shutter Speeds<br>f/number                                  | Iris type<br>1/60 – 1/4000 sec.<br>15 – 1/4000 sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, 1/5, 1/6, 1/8, 1/1<br>1/100, 1/125, 1/160,<br>1/1250, 1/1600, 1/20<br>• Tv bar displayed in Aw<br>f/2.8 – f/8.0 (W) / f/4.5 +<br>* The f/number can be s<br>• The following f/number<br>W: f/2.8, 3.2, 3.5, 4.0<br>T: f/4.5, 5.0, 5.6, 6.3<br>• Av bar displayed in Tw   | nutter speed rat<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>00, 1/2500, 1/3<br>mode or M mode<br>$- f/8.0^*$ (T)<br>et to f/11 when<br>ers are available<br>0, 4.5, 5.0, 5.6, 7<br>7.1, 8.0<br>mode or M mode | nge.)<br>shooting modes<br>able in Tv mod<br>1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Up<br>ode.<br>in Auto mode.<br>e in Av mode or<br>6.3, 7.1, 8.0<br>ode.<br>f/2.8 - f/3.5  | e or M mode:<br>.0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>00, 1/640, 1/80<br>nit: sec.)<br>M mode:<br>f/4.0 – f/5.0  | 0, 1/1000,<br>f/5.6 - f/8.0*                |  |  |  |  |
| Shutter Type<br>Aperture Type<br>Shutter Speeds<br>f/number<br>Relationship between f/number | Iris type<br>1/60 - 1/4000 sec.<br>15 - 1/4000 sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, $1/5$ , $1/6$ , $1/8$ , $1/11/100$ , $1/125$ , $1/160$ ,<br>1/1250, $1/1600$ , $1/20• Tv bar displayed in Awf/2.8 - f/8.0$ (W) / $f/4.5* The f/number can be s• The following f/numboW: f/2.8, 3.2, 3.5, 4.0T: f/4.5, 5.0, 5.6, 6.3• Av bar displayed in TwMax. wide angle$  | nutter speed ran<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>00, 1/2500, 1/3<br>mode or M mode<br>- f/8.0* (T)<br>et to f/11 when<br>ers are available<br>0, 4.5, 5.0, 5.6, 0, 0                               | nge.)<br>shooting modes<br>able in Tv mod<br>. 1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Un<br>ode.<br>in Auto mode.<br>e in Av mode or<br>6.3, 7.1, 8.0<br>ode.   | e or M mode:<br>0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>(00, 1/640, 1/800<br>nit: sec.)<br>M mode:  | 0, 1/1000,                                  |  |  |  |  |
| Shutter Type<br>Aperture Type<br>Shutter Speeds<br>f/number<br>Relationship between f/number | Iris type<br>1/60 - 1/4000  sec.<br>15 - 1/4000  sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, $1/5$ , $1/6$ , $1/8$ , $1/11/100$ , $1/125$ , $1/160$ ,<br>1/1250, $1/1600$ , $1/20• Tv bar displayed in Awf/2.8 - f/8.0 (W) / f/4.5 +* The f/number can be s• The following f/numberW: f/2.8, 3.2, 3.5, 4.0T: f/4.5, 5.0, 5.6, 6.3• Av bar displayed in TwMax. wide anglef/numberShutter Speed (sec.)Max. telephoto$ | nutter speed ran<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>300, 1/2500, 1/3<br>mode or M mode<br>or M/mode or M mode<br>of $4.5, 5.0, 5.6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,$                           | nge.)<br>shooting modes<br>able in Tv mod<br>1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Ur<br>ode.<br>in Auto mode.<br>e in Av mode or<br>6.3, 7.1, 8.0<br>ode.<br><u>f/2.8 - f/3.5</u><br><u>15 - 1/2000</u><br><u>15 - 1/2000</u> | e or M mode:<br>.0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>.00, 1/640, 1/800<br>nit: sec.)<br>M mode:<br><u>f/4.0 - f/5.0</u><br><u>15 - 1/2500</u><br><u>15 - 1/2500</u> | 0, 1/1000,<br>f/5.6 - f/8.0*<br>15 - 1/4000 |  |  |  |  |
| Shutter Type<br>Aperture Type<br>Shutter Speeds<br>f/number<br>Relationship between f/number | Iris type<br>1/60 - 1/4000  sec.<br>15 - 1/4000  sec. (Total sl<br>• Shutter speeds vary de<br>• The following shutter<br>15, 13, 10, 8, 6, 5, 4,<br>1/4, $1/5$ , $1/6$ , $1/8$ , $1/11/100$ , $1/125$ , $1/160$ ,<br>1/1250, $1/1600$ , $1/20• Tv bar displayed in Awf/2.8 - f/8.0 (W) / f/4.5 +* The f/number can be s• The following f/numberW: f/2.8, 3.2, 3.5, 4.0T: f/4.5, 5.0, 5.6, 6.3• Av bar displayed in TwMax. wide anglef/numberShutter Speed (sec.)$               | nutter speed ran<br>pending on the<br>speeds are avail<br>3.2, 2.5, 2, 1.6, 0, 1/13, 1/15, 1<br>1/200, 1/250, 1<br>300, 1/2500, 1/3<br>mode or M mode<br>or M/mode or M mode<br>of $4.5, 5.0, 5.6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,$                           | nge.)<br>shooting modes<br>able in Tv mod<br>1.3, 1, 0.8, 0.6,<br>/20, 1/25, 1/30,<br>/320, 1/400, 1/5<br>200, 1/4000 (Us<br>ode.<br>in Auto mode.<br>in Auto mode.<br>in Av mode or<br>6.3, 7.1, 8.0<br>ode.<br>f/2.8 - f/3.5<br>15 - 1/2000                      | e or M mode:<br>. 0.5, 0.4, 0.3,<br>1/40, 1/50, 1/60<br>. 00, 1/640, 1/800<br>nit: sec.)<br>M mode:<br><u>f/4.0 - f/5.0</u><br><u>15 - 1/2500</u>                     | 0, 1/1000,<br>f/5.6 - f/8.0*<br>15 - 1/4000 |  |  |  |  |

\* The f/number can be set to f/11 when Auto mode.

### Flash

| <built-in></built-in>           |   |
|---------------------------------|---|
| Flash Modes                     | <ul><li>Auto, on, off</li><li>Facial brightness is also evaluated in Face Detect AF.</li></ul>  |
| Flash Range                     | 30 cm – 4.6 m (W), 50 cm – 2.8 m (T) (12 in. – 15 ft. (W), 1.6 – 9.2 ft. (T))<br>• Brightness of image periphery may reduce depending on shooting distance. |
| Flash Synchro Shutter Speeds    | 1/500 sec. (Fastest synchronized speed)   |
| Recycling Time (Full Flash)     | 10 sec. or less (battery voltage: 7.4 V)  |
| Flash Output Compensation       | ±2 stops in 1/3-stop increments   |
| Manual Flash Output Setting     | 3 steps   |
| FE Lock                         | Available   |
| Auto Red-eye Correction         | Available   |
| Red-eye Reduction               | Available   |
| Slow Synchro                    | Available   |
| Second-curtain Synchro          | Available   |
| Safety FE                       | Available   |
| <external></external>           |   |
| Recommended Flash and accessory | Canon Speedlite 220EX, 430EX II, 580EX II<br>Transmitter ST-E2  |
| Attachment Method               | Hot shoe  |
| Control Method                  | Mutual communications through Sync. contact   |
| Flash Synchro Shutter Speeds    | 1/250 sec. (Maximum synchronized speed)   |
| Recycling Time (Full Flash)     | Depending on the attached speedlite   |
| Flash Output Compensation       | $\pm 2$ stops in 1/3-stop increments  |
| Manual Flash Output Setting     | 22 levels (580EX II)<br>19 levels (220EX, 430EX II)   |
| Wireless Flash                  | Available<br>• On/Off only.   |
| FP Flash                        | Available   |
| FE Lock                         | Available   |
| Red-eye Reduction               | Available   |
| Slow Synchro                    | Available   |
| Second-curtain Synchro          | Available   |
| Auto Zoom Control               | Available   |
| Safety FE                       | Available   |
| <auxiliary></auxiliary>         |   |
| Recommended Flash               | High-Power Flash HF-DC1   |
| Mounting Method                 | Mount with the supplied bracket   |
| Trigger System                  | Detects the pre-flash and flash light from the camera's built-in flash  |

### **Shooting Specifications**

| <still images,="" movies=""></still> |   |
|--------------------------------------|---|
| Shooting Modes                       | Auto, P, Tv, Av, M, C1, C2, SCN <sup>*</sup> , Stitch Assist, Movie   |
|                                      | * Portrait, Landscape, Night Scene, Sports, Night Snapshot, Kids & Pets, Indoor, Sunset, Foliage, Snow, Beach, Fireworks, Aquarium, Underwater, ISO 3200, Color Accent, |
|                                      | Color Swap  |
| Movie Modes                          | Standard, Color Accent, Color Swap  |
| Long Shutter Mode                    | Not available   |

#### Digital Zoom

| Digital Zoom   |   |                                       |   |                                      |           |   |                  |  |  |
|--|---|---------------------------------------|---|--------------------------------------|-----------|---|------------------|--|--|
| Zoom Magnification                                   |   |                                       |   |                                      |           | h the optical zoom<br>he mode set to RAW  |                  |  |  |
| Focal Length<br>(Optical x Digital)                  | 28 (W) – 560  | 0 (T) mn                              | n (35mm fi  | lm equival                           | ent)      |   |                  |  |  |
| Zoom Position<br>(Optical x Digital)                 | 6.4x, 8.5x, 1   | 1x, 14x,                              | 17x, 20x  |                                      |           |   |                  |  |  |
| Safety Zoom<br>(Stop position:<br>Optical x Digital) | LargeMedium 1Medium 2Medium 3Small5.0x6.4x8.5x14x20x• Maximum magnification without lass of image gradity at the cosh recording pixel   |                                       |   |                                      |           |   |                  |  |  |
| Digital Tele-converter                               |   |                                       |   |                                      |           |   |                  |  |  |
|  | • Not availa  | (                                     | 47.6 (W) – 2<br>61.6 (W) – 3<br>ovie mode.  | .,                                   |           |   |                  |  |  |
| i-Contrast   | Available   |                                       |   |                                      |           |   |                  |  |  |
| My Colors  | Darker Skin<br>* Adjustmer<br>• Saving or   | Tone, Viv<br>nt of cont<br>iginal ima | vid Blue, V<br>rast, sharpn<br>age is not av  | vid Green,<br>ess, saturatio         | Vivid Red | e, Positive Film, Lig<br>d, Custom Color <sup>*</sup><br>een, blue and skin tor |                  |  |  |
| Auto Category  | People, Scer  |                                       | nts   |                                      |           |   |                  |  |  |
|  | Category  |                                       |   |                                      | hooting N |   |                  |  |  |
|  | People  |                                       | Portrait, Night Snapshot, Kids & Pets   |                                      |           |   |                  |  |  |
|  | Scenery<br>Events   |                                       | Landscape, Night Scene, Foliage, Sunset<br>Sports, Indoor, Snow, Beach, Fireworks, Aquarium, Underwater |                                      |           |   |                  |  |  |
| Image Stabilizer<br>Modes                            | • When a fa<br>less of the<br>Off, Continu  | shooting                              | mode.   | -                                    | Face Det  | ect AF, People is also  | selected regard- |  |  |
|  |   |                                       | ot Only, I  | ammg                                 |           |   |                  |  |  |
| Converter Settings                                   | None / TC-L   | None / TC-DC58D                       |   |                                      |           |   |                  |  |  |
| Camera Start-up Time,<br>Release Time Lag            | Mode  | LCD Mo                                |   | Camera Start-up Time*                |           | Release Time Lag  |                  |  |  |
|  | Shooting -  |                                       | On Appro  |                                      |           | 0.1 sec. or less  |                  |  |  |
|  | Playback  | Of<br>Or                              |   | Approx. 1.0 sec.<br>Approx. 1.1 sec. |           |   | -                |  |  |
|  |   |                                       |   |                                      |           |   | 1                |  |  |
| Self-timer Shooting                                  | <ul> <li>* Under the conditions where the flash does not fire automatically.</li> <li>Approx. 10-sec./approx. 2-sec. delay/custom *1/FaceSelf-Timer*2</li> <li>*1 Shooting start time (0 – 10 sec. (in one-second increments), 15/20/30 sec.) and number of shots (1 – 10 shots (in one-shot increments)) can be specified.</li> <li>*2 When number of detected faces increases, the shutter is released at 2 sec. delay. However no face is detected for 30 seconds or more, the shooting operation starts automatically.</li> </ul> |                                       |   |                                      |           |   |                  |  |  |
| Remote Shooting                                      | Available (us   |                                       |   |                                      |           |   |                  |  |  |
| Disp. Overlay  | Off, Grid lin   | es, 3:2 G                             | buide, Both   | l                                    |           |   |                  |  |  |
| <still images=""></still>                            |   |                                       |   |                                      |           |   |                  |  |  |
| Noise Reduction                                      | When shutter speed is set between 15 and 1.3 sec.   |                                       |   |                                      |           |   |                  |  |  |
| Bracketing   |   |                                       |   |                                      |           |   |                  |  |  |
| Focus  | 3 levels: Lar   | ge, Medi                              | ium, Small  |                                      |           |   |                  |  |  |
| AE   | Compensation value <sup>*</sup> can be selected within a range between 1/3 – 2 stops in 1/3-stop increments<br>* The exposure compensation setting can be adjusted higher or lower than the set exposure value.   |                                       |   |                                      |           |   |                  |  |  |
| Rec. Review  | Off, 2 – 10 s   | ec. (in or                            | ne-second   | increments)                          | ), Hold   |   | -                |  |  |
| Image Inspection Tool                                | <ul> <li>Magnification and image erasing are also available.</li> <li>Available</li> <li>Magnification, moving frame and image erasing are also available.</li> </ul>   |                                       |   |                                      |           |   |                  |  |  |

| Night Display  | Available  |                    |                  |                  |  |       |  |
|--|--|--------------------|------------------|------------------|--|-------|--|
| Shooting Interval  | LCD Monitor  | Sh                 | ooting I         | nterval          |  |       |  |
|  | On   |                    | prox. 1          |                  |  |       |  |
|  | Off  |                    | prox. 2          |                  |  |       |  |
|  | • Under the con  | dition             | s where          | e the fla        | h does not fire automatically.   |       |  |
| Continuous Shooting  |  |                    |                  |                  |  |       |  |
| Mode Selection   | Continuous shooting, continuous shooting AF, continuous shooting LV<br>• Smooth continuous shooting not available on RAW mode. |                    |                  |                  |  |       |  |
| Speed  | Continuous sho<br>Continuous sho<br>Continuous sho<br>• Under the con  | oting .<br>oting : | AF: Aj<br>LV: Aj | pprox.<br>pprox. | 0.7 shots/sec.   |       |  |
| Number of Shots  | <low format="" level=""> Unit: shots</low>   |                    |                  |                  |  |       |  |
|  | Large (L)  |                    |                  |                  |  |       |  |
|  |  | SF                 | F                | Ν                |  |       |  |
|  | Speed Class 2  | 12                 | 24               | 276              |  |       |  |
|  | Speed Class 4  | 16                 | 57               |                  |  |       |  |
|  | Speed Class 6  | 27                 |                  |                  |  |       |  |
|  | • Even after ex  | ceedin             | g the n          | umber            | able (See the <i>Recording Capacity</i> for detailed<br>f shots shown above, continuous shooting is<br>sed. However, the shooting speeds will decrease | avail |  |
| Interval Shooting  | Not available  |                    |                  |                  |  |       |  |
| Shutter release at vertical position (Other than Shutter button) | Not available  |                    |                  |                  |  |       |  |
| Movies>  |  |                    |                  |                  |  |       |  |
| Modes  | Standard, Color  | Acce               | nt, Col          | lor Swa          | p  |       |  |
| Audio Specifications   |  |                    |                  |                  |  |       |  |
|  |  |                    |                  |                  |  |       |  |

Audio Functions Quantizat Sampling

Movie sound, sound memos (also available during rec. review), sound recorder

| Quantization Bit Rate/ |   |               | Quantization Bit Rate | Sampling Rate                    |  |
|------------------------|---|---------------|-----------------------|----------------------------------|--|
| Sampling Rate          | Movie Sound Color Accent,<br>Color Swap |               | 16 bits               | 44.100 kHz                       |  |
|                        | Sound Memo                              | S             | 16 bits               | 11.025 kHz                       |  |
|                        | Sound Recorder                          |               | 16 bits               | 44.100 kHz/22.050 kHz/11.025 kHz |  |
| Input Level Adjustment | Auto, Manua                             | uto, Manual   |                       |                                  |  |
| Input Level Indicator  | -40 - 0  dB / 2                         | Not available |                       |                                  |  |
| Wind Filter            | Available                               |               |                       |                                  |  |
| Microphone, Speaker    | Available                               |               |                       |                                  |  |

### **Recording Specifications**

| <still images,="" movies=""></still> |   |
|--------------------------------------|---|
| Recording Media                      | SD memory card, SDHC memory card, MultiMediaCard, MMC <i>plus</i> card, HC MMC <i>plus</i> card   |
| Format                               | Normal format, low level format   |
| File Format                          | Design rule for camera file system, DPOF (Version 1.1) compliant  |
| Data Type                            | <ul> <li>Still images: Exif 2.2 (JPEG) / RAW (CR2)*</li> <li>* Digital Photo Professional (DPP) is used for RAW development.</li> <li>Movies: MOV (Image data: H.264; Audio data: Linear PCM (monaural))</li> <li>Sound memos, sound recorder: WAVE (monaural)</li> </ul> |

| Folder Settings Management |   |
|----------------------------|---|
| Capacity                   | Max. 900<br>• Up to 2,000 files can be stored per folder.   |
| Customization              | Create New Folder (on next shooting), Auto Create <sup>*</sup><br><sup>*</sup> Off, or user-specified time per day, month, day of the week. |
| <still images=""></still>  |   |
| Color Space                | Standard (sRGB)   |
| Compression                | Superfine, fine, normal   |
| Number of Recording Pixels |   |

|            | Unit: pixels |
|------------|--------------|
| Large      | 4416 x 3312  |
| Medium 1   | 3456 x 2592  |
| Medium 2   | 2592 x 1944  |
| Medium 3   | 1600 x 1200  |
| Small      | 640 x 480    |
| Widescreen | 4416 x 2480  |

**Recording Capacity** 

Unit: images

|                | La   | arge (l | _)   | Medi | ium 1 | (M1) | Medi | um 2 | (M2)  | Med  | um 3  | (M3)  | S     | mall (S | S)    | Wide | screei | n (W) | RA    | W     |
|----------------|------|---------|------|------|-------|------|------|------|-------|------|-------|-------|-------|---------|-------|------|--------|-------|-------|-------|
|                | SF   | F       | Ν    | SF   | F     | Ν    | SF   | F    | Ν     | SF   | F     | Ν     | SF    | F       | Ν     | SF   | F      | Ν     | RAW   | +JPG  |
| File Size (KB) | 6348 | 3759    | 1797 | 3888 | 2302  | 1100 | 2503 | 1395 | 695   | 1002 | 558   | 278   | 249   | 150     | 84    | 4753 | 2814   | 1345  | 18793 | 22552 |
| 2 GB           | 306  | 516     | 1059 | 499  | 841   | 1707 | 767  | 1365 | 2672  | 1862 | 3235  | 6146  | 6830  | 10245   | 15368 | 409  | 690    | 1396  | 94    | 79    |
| 8 GB           | 1227 | 2063    | 4234 | 1996 | 3364  | 6822 | 3069 | 5457 | 10679 | 7442 | 12927 | 24562 | 27291 | 40937   | 61406 | 1637 | 2759   | 5581  | 378   | 318   |

•The approximate number of recordable images on memory cards of other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

#### <Movies>

Recording Pixels, Frame Rate

|                         | Recording Pixels | Frame Rate |
|-------------------------|------------------|------------|
| Standard, Color Accent, | 640 x 480        | 30 fps     |
| Color Swap              | 320 x 240        | 30 fps     |

per Clip

Maximum Recording Length Standard, Color Accent, Color Swap: Continuous recording is possible until the file size reaches 4 GB\*

\* Even if the file size has not reached 4 GB, the recording stops when the recording time reaches one hour. For lesser capacity memory cards than 4 GB, the recording stops when the card becomes full or the recording time reaches one hour.

<Low Level Format>

|               | Standard, Color Accent, Color Swap |           |  |  |  |
|---------------|------------------------------------|-----------|--|--|--|
|               | 640 x 480                          | 320 x 240 |  |  |  |
|               | 30 fps                             | 30 fps    |  |  |  |
| Speed Class 2 |                                    |           |  |  |  |
| Speed Class 4 |                                    |           |  |  |  |
| Speed Class 6 |                                    |           |  |  |  |

: Continuous recording is possible until the file size reaches 4 GB, the memory card becomes full, or the recording time reaches one hour.

#### Recording Time

#### <Low Level Format>

|                      | Standard, Color Accent, Color Swap |                        |  |  |  |
|----------------------|------------------------------------|------------------------|--|--|--|
|                      | 640 x 480                          | 320 x 240              |  |  |  |
|                      | 30 fps                             | 30 fps                 |  |  |  |
| Movie size (KB/sec.) | 1316                               | 394                    |  |  |  |
| 2 GB                 | 23 min. 49 sec.                    | 1 hr. 13 min. 10 sec.  |  |  |  |
| 8 GB                 | 1 hr. 35 min. 11 sec.              | 4 hrs. 52 min. 24 sec. |  |  |  |

• The approximate recording time on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

#### <Audio>

Recording Time

Sound Memos Sound Recorder Up to 1 minute recording length per image

Up to 2 hours recording length per clip

|                     | 11.025 kHz               | 22.050 kHz              | 44.100 kHz              |
|---------------------|--------------------------|-------------------------|-------------------------|
| Data size (KB/sec.) | 22                       | 44                      | 88                      |
| 2 GB                | 25 hrs. 22 min. 35 sec.  | 12 hrs. 41 min. 18 sec. | 6 hrs. 20 min. 39 sec.  |
| 8 GB                | 101 hrs. 23 min. 47 sec. | 50 hrs. 41 min. 53 sec. | 25 hrs. 20 min. 57 sec. |

• The approximate recording time on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

| Playback Specifications                               |  |
|---|--|
| <still images,="" movies=""></still>                  |  |
| Easy  | Not available  |
| Auto Rotate (Automatic vertical/horizontal detection) | <ul> <li>Available (owing to the Intelligent Orientation Sensor)</li> <li>Images are displayed vertically or horizontally according to the camera's shooting position.<br/>For movie playback, the direction depends on the camera's position at the start of shooting.</li> <li>The setting for playback is linked to the setting chosen for shooting.</li> </ul> |
| Resume Playback                                       | <ul> <li>Last seen, Last shot</li> <li>Movie playback will resume from the last frame displayed, when playback is interrupted partway through in the prior viewing session.</li> </ul>   |
| <still images=""></still>                             |  |
| Maximum Playback Pixels                               | 5616 x 3744  |
| Playback Modes  | Single, index (9 images), Magnification (Approx. 2x – 10x)   |
| Rotate  | Rotates each image to 90 degrees or 270 degrees<br>• Both the LCD monitor and video output play back the image according to settings.  |
| RAW Playback<br>(CR2 data type)                       | Not Available<br>• JPEG image recorded simultaneously can be played back.  |
| Red-eye Correction                                    | Available  |
| i-Contrast  | Available  |
| Trimming  | Available  |
| Resize  | <ul> <li>Available</li> <li>Recording pixels after "Resize"<br/>1600 x 1200, 640 x 480 or 320 x 240 pixels.</li> <li>Not available for images shot in Widescreen and RAW.</li> </ul>   |
| My Colors   | Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone,<br>Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red  |
| My Category   | <ul> <li>Select (People, Scenery, Events, Category 1 – 3, To Do), Select Range (First image and Last image)</li> <li>Functions that can be carried out by category: image search, erase, protect, slide show, print.</li> </ul>  |
| Jump  | <ul> <li>Top of the specified Shot Date, My Category<sup>*</sup>, Folder, Movie, 10 images, 100 images</li> <li>* The images which do not belong any categories can be selected.</li> <li>• Playback with a selected search key.</li> <li>• Jumps to the next set of nine images during index playback.</li> </ul>   |
| Image Inspection Tool                                 | <ul><li>Available</li><li>Magnification, moving frame and image erasing are also available.</li><li>Face detection function is activated.</li></ul>  |
| Histogram   | Available  |
| Overexposure Warning                                  | Available  |

| Slide Show                                    |  |   |  |                     |        |  |  |
|---|--|---|--|---------------------|--------|--|--|
| Playback interval                             | 3 – 10 sec., 15 sec., 30 sec.  |   |  |                     |        |  |  |
| Repeat  | Available  |   |  |                     |        |  |  |
| Playlist                                      | <ul> <li>All Images, Date, My Category, Folder, Movies, Stills, Custom 1 – 3</li> <li>Only images with DPOF setting can be played back as slide show.</li> </ul>   |   |  |                     |        |  |  |
| Transition Effects                            | Single image playback: 3 types (using buttons: 2 types / using control dial: 1 type)<br>Slide show: 3 types  |   |  |                     |        |  |  |
| <movies></movies>                             |  |   |  |                     |        |  |  |
| Playback Functions                            | previous frame<br>• Display play<br><sup>*1</sup> System req<br>below.   | e selectable. Fast<br>back position and<br>uirements for play | on <sup>*2</sup> , pause, first frag<br>forward and fast re-<br>shooting time.<br>ving back the movie of<br>nal-playback speed, wi | wind are available. |        |  |  |
|   |  | CPU   | Clock Frequency  | RAM                 |        |  |  |
|   |  | VGA   | VGA  | VGA                 |        |  |  |
|   | Windows  | Core2 DUO   | 1.66 GHz   | 1 GB                |        |  |  |
|   |  | or above<br>Core DUO  | or above<br>1.66 GHz   | or above<br>1 GB    |        |  |  |
|   | Macintosh  | or above  | or above   | or above            |        |  |  |
| Editing                                       | Unwanted por   | tions can be dele   | eted (See Erasing Mo   | odes.)              |        |  |  |
| Editing Unit                                  | 1-sec. increme   | ents  |  |                     |        |  |  |
|   |  |   |  |                     |        |  |  |
| Printing Specifications                       |  |   |  |                     |        |  |  |
| Direct Print                                  | PictBridge, Ca   | non Direct Print  | , Bubble Jet Direct  |                     |        |  |  |
| DPOF (Version 1.1)                            |  |   |  |                     |        |  |  |
| Print Specification                           | <ul> <li>Select images &amp; quantity for printing<sup>*</sup>, Select range, Select by date, Select by category.</li> <li>Select by folder, Select all images <ul> <li>Up to a total of 998 images can be specified.</li> <li><sup>*</sup> Up to 99 prints of one image can be specified (other options except 'Select images &amp; Qty. allow only one print per image).</li> </ul> </li> </ul>        |   |  |                     |        |  |  |
| Print Settings                                |  | ndard, index, bo<br>F data] can be sele                       | th), Date, File No.  |                     |        |  |  |
| Erasing Specifications                        |  |   |  |                     |        |  |  |
| Erasing Modes                                 | <ul> <li>Select image, Select range, Select by date, Select by category, Select by folder, Select all images</li> <li>The image data in the memory card stored with the design rule for camera file systems format can be erased. (However, protected images can not be erased.)</li> <li>Erasing a portion of a movie (in one-second increments) available using the movie editing function.</li> </ul> |   |  |                     |        |  |  |
| Protect (camera)                              | <ul> <li>Select image, Select range, Select by date, Select by category, Select by folder,</li> <li>Select all images</li> <li>Prevents still images (including sound memos) and movies protected on camera (specify at playback) from being deleted.</li> </ul>   |   |  |                     |        |  |  |
| Protect (SD memory card/<br>SDHC memory card) | Prevents writin<br>SDHC memor  |   | ny data recorded on  | the SD memory ca    | rd and |  |  |
| Interface                                     |  |   |  |                     |        |  |  |
| Digital Interface                             | Hi-Speed USB   | B (mini-B connec  | ctor (female))   |                     |        |  |  |
| Communication Settings                        | MTP, PTP   |   |  |                     |        |  |  |
| Analogue Audio Output                         | Monaural (q 3  | .5 mm jack: Uni   | fied type for audio a  | nd video output)    |        |  |  |
| Analogua Vidao Outnut                         |  |   | Unified type for au  |                     |        |  |  |

Analogue Video Output

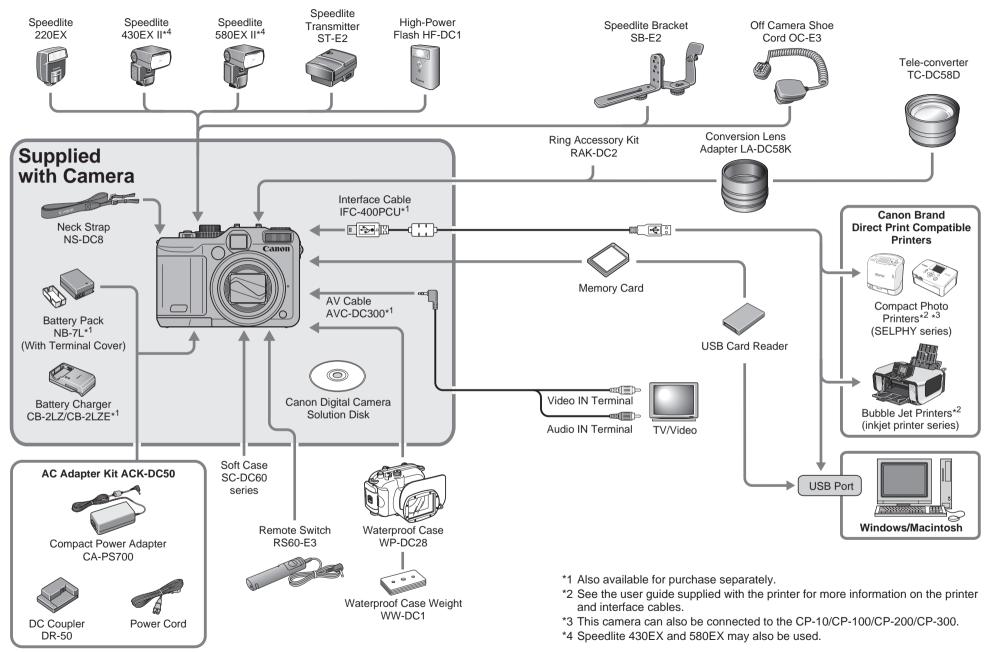
17

NTSC or PAL ( $\phi$  3.5 mm jack: Unified type for audio and video output)

| Others                  |   |  |  |                                       |  |  |  |
|-------------------------|---|--|--|---------------------------------------|--|--|--|
| Display Languages       | Spanish, Simp<br>Hungarian, Tu<br>Ukrainian, Far  | <ul> <li>26 languages<sup>*</sup></li> <li>(English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Russian, Portuguese, Greek, Polish, Czech, Hungarian, Turkish, Traditional Chinese, Korean, Thai, Arabic, Romanian, Ukrainian, Farsi and Japanese)</li> <li>* The models for Japanese market available with 2 languages (Japanese and English) only.</li> </ul>   |  |                                       |  |  |  |
| Battery Level Indicator | 3 steps<br>• Blinks when b  | <ul><li>3 steps</li><li>Blinks when battery charge is low.</li></ul>   |  |                                       |  |  |  |
| My Camera               |   |  |  |                                       |  |  |  |
| Selectable Items        | *1 Dedicated for  | , start-up sound, of<br>the PowerShot G10<br>with the actual shu   | ).   | er sound, shutter sound <sup>*2</sup> |  |  |  |
| Number of Choices       | 1: Canon orig<br>2: Canon orig<br>3: Customiza<br>The simulated<br>registered to th   | <ul> <li>3 choices (Off is also selectable.)</li> <li>1: Canon original images and sounds (Cannot be customized)</li> <li>2: Canon original images and sounds (Cannot be customized)</li> <li>3: Customizable by the user*</li> <li>* The simulated shutter sound of Canon F1 is registered to the 1st option and Canon T90 is registered to the 2nd option as a factory default.</li> <li>* Canon original contents are registered to the 3rd option as a factory default.</li> </ul> |  |                                       |  |  |  |
| Registerable Data       | Images and sounds recorded with the camera<br>Images and sounds in the supplied software<br>Images and sounds downloaded from the online service (Canon Image Gateway <sup>*</sup> )<br>* Only available in Japan and Europe. |  |  |                                       |  |  |  |
| Specifications          | Item  |  | Specifications   |                                       |  |  |  |
|                         | Start-up image  | 320 x 240 pixels, JF   | PEG file with 4:2:0 or 4:2:2, asp                                | ect ratio of 4:3, 20 KB or less       |  |  |  |
|                         | Start-up sound  | Operation sound<br>Self-timer sound 8 bit  | 11 kHz: 1.0 sec. or less   | 8 kHz: 1.3 sec. or less               |  |  |  |
|                         | •   |  | 11 kHz: 0.3 sec. or less   | 8 kHz: 0.4 sec. or less               |  |  |  |
|                         |   |  | 11 kHz: 2.0 sec. or less   | 8 kHz: 2.0 sec. or less               |  |  |  |
| My Menu                 | Shutter sound<br>Available  | d five items in the  | 11 kHz: 0.3 sec. or less<br>Rec. Menu after selection            | 8 kHz: 0.4 sec. or less               |  |  |  |
| Lens Retraction Timing  | •   | ely), 1 min. later   | Ree. Wiend after selectiv  |                                       |  |  |  |
| Date Function           | o see. (minicular   | ory), i mini iuter   |  |                                       |  |  |  |
| Date Stamp              | Not available   |  |  |                                       |  |  |  |
| Date Settings           | Available up to t   | he vear 2037   |  |                                       |  |  |  |
| Date Style              | -   | -  | or day/month/year  |                                       |  |  |  |
| Clock Display           | iour, montu, aug,   | monui, auj, jeur e   | i dagi montri your   |                                       |  |  |  |
| Display Items           | Horizontal posit  | Vertical position: hour/minute/second and year/month/day<br>Horizontal position: hour/minute/second<br>• Also available during playback.   |  |                                       |  |  |  |
| Display Time            | 0 - 10 sec. (in or  | ne-second increme  | ents), 20/30 sec., 1/2/3 m                                       | in.                                   |  |  |  |
| Display Colors          | 4 colors  |  |  |                                       |  |  |  |
| World Time Display      |   | <ul><li>Home city (region) and destination city (region) can be selected from 32 choices</li><li>Daylight saving time setting is available.</li></ul>  |  |                                       |  |  |  |
| Direct Transfer         |   |  | ns. Images <sup>*</sup> , Select & Traplied by the DPOF function |                                       |  |  |  |
| Mute                    |   | ding warning soun<br>rying to open the ba  | ıd <sup>*</sup> )<br>ttery cover while the indica                | ator is blinking green.               |  |  |  |
| Volume                  | 5 levels (Start-up  | Vol., Operation  | Vol., Self-timer Vol., Shu                                       | itter Vol., Playback Vol.)            |  |  |  |
| Shortcut Settings       | tion of white dat   | 5 levels (Start-up Vol., Operation Vol., Self-timer Vol., Shutter Vol., Playback Vol.)<br>Not assigned (default), ND filter, White balance, Custom white balance 1 (Acquisi-<br>tion of white data), Custom white balance 2 (Acquisition of white data), Auto red-eye<br>correction, Digital tele-converter, i-Contrast, AF lock, Display off  |  |                                       |  |  |  |
| Reset of All Settings   | Available   |  |  |                                       |  |  |  |
| Wireless Controller     | Not available   |  |  |                                       |  |  |  |
|                         |   |  |  |                                       |  |  |  |

| Remote Switch                  | Available   |
|--------------------------------|---|
| Power Supplies                 |   |
| Primary Batteries              | Not available   |
| Secondary Batteries            | Battery Pack NB-7L (Lithium-ion rechargeable battery)   |
| AC Adapter                     | Compact Power Adapter CA-PS700  |
| Car Battery Adapter            | Not available   |
| Sub-battery                    | MS lithium secondary battery MS614  |
| Charging Time                  | Approx. 4 hours (charged from main battery)   |
| Duration                       | Approx. 3 weeks (after the sub-battery is fully charged and the main battery is removed.)   |
| Battery Capacity               |   |
| Number of Images Shot          | CIPA Standard compliant<br>(LCD monitor On) (LCD monitor Off)   |
|                                | Approx. 400 shots Approx. 1000 shots  |
| Playback Time                  | Approx. 10 hours  |
| Power Saving Function          |   |
| Auto Power Down (when in idle) | Shooting mode: Approx. 3 min. later<br>Playback mode: Approx. 5 min. later<br>Connection to printer: Approx. 5 min. later<br>During slide show/connection to computer: The power saving function does not acti-<br>vate |
| Display Off                    | <ul><li>10/20/30 sec., 1/2/3 min.</li><li>The Intelligent Orientation Sensor detects the camera being moved and recovers from the display-off function.</li></ul>   |
| Camera Specifications          |   |
| Operating Temperatures         | $0 - 40^{\circ}C (32 - 104^{\circ}F)$   |
| Operating Humidity             | 10 - 90%  |
|                                | 109.1 x 77.7 x 45.9 mm (4.30 x 3.06 x 1.81 in.)   |
| Weight (camera body only)      | Approx. 350 g (12.3 oz.)  |

# 3-2 System Diagram



## 3-3 Shooting/Setting Features List

| Exposure Compens  |  | C1 | C2 | "   | Aν  | Τv  | P   | Auto   | Portrait   | Land-<br>scape  | Sports  | Night<br>Snapshot   | Kids &<br>Pets   | Indeer   | Night<br>scene   | Sunset   | Foliage  | Snow   | Beach   | Fireworks   | Aquarium   | Under   | r 18<br>33   | ISO<br>3200  | Color Accertil<br>Color Swep  | Assist  | Standar  |
|---|--|----|----|---|---|---|---|--|--|---|---|---|--|--|--|--|--|--|---|---|--|---|--|--|---|---|--|
|   | sation   |    |    | -   | 0   | 0   | 0   | -  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | -  |  | -   | 0   | -  |
| ISO Speed   | Auto*1   |    |    | -   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  | *2   | 0   | 0   | 0  |
|   | High ISO Auto  |    |    | -   | -   | -   | 0   | 0  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
|   | ISO 80 - 1600  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| White Balance   | Auto*1   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | 0  |
|   | Flash  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | 0   | -  |
|   | Other than Auto and Flash  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | 0   | 0  |
| Drive Mode  |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | 0  |
|   |  |    |    | 0   | 0   | 0   | 0   | -  | 0  | 0   | _   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | -   | -   | _  |
|   |  | _  |    | 0   | 0   | 0   | 0   |  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | _   |   |  |
| i i   |  |    |    |   |   |   |   | 0  |  |   |   |   |  |  |  |  |  |  |   |   |  |   |  |  |   |   |  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | -   | -   | -  |
|   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | 0  |
| My Colors   | _  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | -  | -   | 0   | 0  |
| Bracketing  | AE   |    |    | -   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | ·  | -   | -   | -  |
| i i   | Focusing   |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| Flash Exposure (  | Compensation   |    |    | -   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| Built-in Flash (  |  |    |    | 0   | 0   | 0   | -   | -  | -  | _   | -   | -   | _  | _  | -  | _  | -  | -  | -   | -   | -  | -   | -  | _  | -   | -   | _  |
| External Flash (  |  |    |    | 0   | 0   | 0   | 0   | -  | <u> </u>   | _   | -   | _   | _  | _  | _  | 0  | -  | _  | _   | -   | _  | -   | -  | -  | -   | -   | _  |
|   |  |    |    | 0   | 0   | 0   | 0   |  | 0  | 0   | 0   |   | 0  | 0  | 0  | -  |  | 0  | 0   |   |  | 0   | 6  | $\rightarrow$  |   |   | 0  |
| Metering System   |  |    |    |   |   |   |   | 0  | P  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 10   |  | 0   | 0   | 0  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
|   | Spot   |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | -  | -   | -   | -  |
| ND Filter (On)  |  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | ·  | -   | -   | 0  |
| Number of Recording   | L/N1/N2/N3/S/W   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  | *4   | 0   | O*5   | -  |
| Pixels Selection<br>(still images)  | RAW  |    |    | 0   | 0   | 0   | 0   | -  | -  | _   | _   | _   | _  | _  | _  | _  | _  | _  | -   | _   | _  | _   | -  |  | _   | _   | _  |
| (   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | _  |
| Number of Recording   | 640 x 480 · 30fps  | 0  |    | 0   | 0   | 0   |   | -  | U  | 0   | 0   | 5   | 0  | 5  | 5  | 0  | 0  | 0  | 0   | 0   | 5  | 0   | -0   | -  | 5   | 0   |  |
| Pixels/Frame Rate   |  |    | -  |   | F   |   |   |  | F  | -   |   |   |  | -  | -  | -  | -  | -  | -   | -   | -  | F-  | -  |  | -   | -   | 0  |
| Selection (movies)  | 320 x 240 · 30fps  | -  | -  | -   | -   | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | _  | -   | -   | 0  |
| Av/Tv Setting   |  |    |    | 0   | O*6   | O*7   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| Program Shift   |  |    |    | -   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| AE/FE Lock  |  |    |    | -   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| Optimum Exposure  | e Settings When Manual Mode  |    |    | 0   | -   | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | -  | -   | -   | -  |
| AE Lock, Exposur  |  | -  | -  | -   | -   | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | -  | -   | -   | 0  |
| Shooting Zone   | 1  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  | +  | 0   | 0   | 0  |
| SHOULTING ZUINE   |  |    |    |   |   |   |   |  |  | Ľ   | 0   |   | 0  |  |  | 0  | 0  |  |   | 0   |  | -   |  |  |   | 0   | -  |
|   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | -   |   | 0   | -  | 0  | 0  | -  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | 0   | 0   | 0  |
| Manual Focus  |  |    |    | 0   | 0   | 0   | 0   | -  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | 0   | -   | 0  |
| AF Frame Size   | Standard   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | 0  |
| L   | Small  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  |  | -   | -   | -  |
| Face Select   | Off  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  | ,  | 0   | -   | 0  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | 0   | -   | -  |
| Flash   |  |    |    | Ľ   | Ľ   | Ľ   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | _   | Ľ  | 0   | Ľ  | _  | 0   | -   | _  |
| FTAST   |  |    |    | -   | -   | -   |   | 0  |  | -   |   |   |  |  |  |  |  | -  |   | -   | -  | -   |  |  | -   | -   | -  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | -  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | -  |  | 0   | 0   | -  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | -  |
|   | External   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | -  |  | 0   | -   | -  |
| LCD Monitor   | Off  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | -   | -   | -  |
| Setting   | No Information   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | -   | 0   | 0  |
| i i   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | 0  |
| Stitch Direction Select   | tion (Up/Down, Right/Left, 2x2)  | _  | -  | -   | -   | -   | _   | -  | _  | _   | -   | _   | _  | _  | _  | _  | _  | _  | _   | -   | _  | _   | -  |  | Ľ   | 0   | _  |
|   |  | -  | -  | -   | -   | -   | -   | -  | -  | 0   | -   | -   | 0  | 0  | -  | 0  | -  | -  | -   | -   | -  | -   | -  |  | -   | <u> </u>  | -  |
| AF Frame  |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   |   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | 0   | -   | -  |
| i i   | AiAF (9-point)   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  | 0   | -   | 0  |
| i i   | Center   | -  | -  | -   | -   | -   | -   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | 0   | -  |
|   | FlexiZone  |    |    | 0   | 0   | 0   | 0   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -   | -  | ·  | -   | -   |  |
| 1   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | -   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0   | 0  |  | 0   | -   | -  |
| AF-Point Zoom   |  |    |    |   |   |   |   |  |  |   |   |   |  |  |  |  | 0  | 0  | 0   | -   | 0  | 0   | 0  |  |   |   | -  |
| AF-Point Zoom<br>Servo AF   |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   |   | 0  | 0  | 0  | 0  |  |  |   |   | 0  | ō   |  |  | 0   | 0   | -  |
| Servo AF  |  |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  |  |  | -   |   |  |   |  |  | 0   | 0   | -<br>-<br>0  |
|   | Continuous   |    |    | 0   | 0   | 0   | 0   | 0  | 0  | 0   | 0   | 0<br>0  | -  | 0  | 0  | 0  | 0  | 0  | 0   | -   | 0  |   | 0  | , ,  | 0   | 0   | -  |
| Servo AF<br>AF Mode*8   | Continuous<br>Single   |    |    | 0<br>0  | 0<br>0  | 0<br>0  | 0<br>0  | 0<br>0   | 0<br>0   | 0<br>0  | 0<br>-  | 0<br>0<br>0   | -<br>0   | 0<br>0   | 0<br>0   | 0<br>0   | 0<br>0   | 0<br>0   | 0<br>0  | -   | 0  | 0   | 0  | , ,  |   |   | -<br>0   |
| Servo AF  | Continuous<br>Single<br>On   |    |    | 0<br>0<br>0   | 0<br>0<br>0   | 0<br>0<br>0   | 0<br>0<br>0   | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0   | 0<br>-<br>0   | 0<br>0<br>0   | -<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0   | 0   | 0  | 0   |  | , ,  | 0   | 0   | -  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9   | Continuous<br>Single<br>On<br>Digital Tele-converter   |    |    | 0<br>0  | 0<br>0<br>0<br>0  | 0<br>0<br>0<br>0  | 0<br>0<br>0<br>0  | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0  | 0<br>-  | 0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0  | -   | 0  | 0<br>0<br>0   |  | ) (<br>) (   | 0<br>0<br>-<br>-  | 0<br>0<br>-   | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode Auto  |    |    | 0<br>0<br>0<br>-  | 0<br>0<br>0<br>0  | 0<br>0<br>0<br>0  | 0<br>0<br>0   | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0   | 0<br>-<br>0   | 0<br>0<br>0   | -<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0  | 0<br>0<br>0   | 0   | 0  | 0   |  | ) (<br>) (   | 0   | 0   | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9   | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual   |    |    | 0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-   | -<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>0  |  | ) (<br>) (   | 0<br>0<br>-<br>-  | 0<br>0<br>-   | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Node <u>Auto</u><br>Manual<br>Red-Eye Correction   |    |    | 0<br>0<br>0<br>-<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>0<br>-<br>-<br>0<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Node <u>Auto</u><br>Manual<br>Red-Eye Correction   |    |    | 0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-   | -<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>0   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>0  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>-  | 0<br>0<br>-   | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode Auto<br>Manual<br>Red-Eye Correction<br>Red-Eye Lamp  |    |    | 0<br>0<br>0<br>-<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>0<br>-<br>-<br>0<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous           Single           On           Digital Tele-converter           Flash Mode           Auto           Wanual           Red-Eye Correction           Red-Eye Comp           Flash Exp. Comp   |    |    | 0<br>0<br>0<br>-<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>0<br>-<br>-<br>0<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Rtsp. Comp<br>Flash Dtput  |    |    | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>0<br>-<br>-<br>0<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Node <u>Auto</u><br><u>Manual</u><br>Red-Eye Correction<br>Red-Eye Lamp<br>Flash Exp. Comp<br>Flash Exp. Comp<br>Flash Output<br>Shutter Sync. (2nd curtain)   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-  | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>0<br>-<br>-<br>0<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Qutput<br>Flash Qutput<br>Shutter Sync. (2nd curtain)<br>Shutter Sync. (2nd curtain)   |    |    | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>-<br>-   | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>-<br>-<br>-<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0   |
| Servo AF<br>AF Wode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Wode Auto<br>Manual<br>Red-Eye Orrection<br>Red-Eye Comp<br>Flash Kyo. Comp<br>Flash Kyo. Comp<br>Shutter Sync. (2nd curtain)<br>Slow Synchro<br>Slow Synchro  |    |    | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                          | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0<br>0<br>0                               | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>-<br>-   | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-  | 0<br>0<br>0<br>0<br>0<br>-   | 0<br>0<br>0<br>0<br>-<br>0   | 0<br>0<br>0<br>0<br>-   | 0   | 0<br>0<br>0<br>-   | 0<br>0<br>0<br>-  |  | ) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) (<br>) ( | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>-<br>-<br>-<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0   |
| Servo AF<br>AF Wode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Node <u>Auto</u><br>Manual<br>Red-Eye Lonp<br>Flash Exp. Comp<br>Flash Exp. Comp<br>Flash Output<br>Shutter Sync. (2nd curtain)<br>Slow Synchro<br>Safety FE<br>reat Correction  |    |    | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>10<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0  | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>0<br>10<br>-<br>-<br>-<br>0*10<br>-                        | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | -<br>0<br>0<br>0<br>-  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>0*10<br>-   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>0<br>-<br>0<br>+10<br>-<br>-                          | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                          | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | O           O   | 0<br>0<br><br>0<br><br><br><br><br>  | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0 <t< td=""><td></td><td>0<br/>0<br/>-<br/>0<br/>-<br/>-</td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>-<br/>0</td></t<> |  | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>-<br>-<br>-<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0   |
| Servo AF<br>AF Wode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont  | Continuous<br>Single<br>On<br>Jigital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Exp. Comp<br>Flash Exp. Comp<br>Flash Dutput<br>Shutter Sync. (2nd curtain)<br>Slow Synchro.<br>Safety FE<br>trast Correction<br>Frace Self-Timer  |    |    | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>-<br>0<br>+10<br>0    | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0                          | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>0*10<br>-<br>-<br>0*10   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>0<br>*10<br>-<br>-<br>0<br>*10<br>0                   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0  | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0                     | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br><br><br><br><br><br><br><br><br><br><br><br>  | 0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br><br><br><br><br><br><br><br><br><br><br><br><br>  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Wode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Node Auto<br>Manual<br>Red-Eye Correction<br>Red-Eye Lamp<br>Flash Exp. Comp<br>Flash Exp. Comp<br>Flash Exp. Comp<br>Shutter Sync. (2nd curtain)<br>Slow Synchro<br>Safety FE<br>trast Correction<br>Face Self-Timer<br>Saf-Timer 7(20 sec. delay)  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0<br>0 | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | -<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                               | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>0<br>10<br>-<br>0<br>+10<br>-<br>0<br>0<br>0     | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0      | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br><br><br><br><br><br><br><br><br><br><br>0<br>0  |  | 0<br>0<br>-<br>0<br>-<br>-  | 0<br>-<br>-<br>-<br>-<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0   |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings  | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Wode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Dutput<br>Shutter Sync. (2nd curtain)<br>Slow Synchro.<br>Safety FE<br>trast Correction<br>Face Self-Timer<br>Saf-Timer (2/D sec. delay)<br>Quatom Self-Timer  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>-<br>0<br>+10<br>0    | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0                          | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>0*10<br>-<br>-<br>0*10   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>0<br>*10<br>-<br>-<br>0<br>*10<br>0                   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0  | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0                     | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br><br><br><br><br><br><br><br><br><br><br><br>  | 0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0   | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br><br><br><br><br><br><br><br><br><br><br><br><br>  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Wode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont  | Continuous Single On Digital Tele-sonverter Flash Node Auto Manual Red-Eve Correction Red-Eve Lamp Flash Exp. Comp Flash Exp. Comp Flash Output Shutter Sync. (2nd curtain) Slow Synchro Safety FE trast Correction Frace Self-Timer Gustom Self-Timer Cunter  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0<br>0 | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | -<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                               | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0      | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br><br><br><br><br><br><br><br><br><br><br>0<br>0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point   | Continuous Single On Digital Tele-converter Flash Wode Auto Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Output Shutter Sync. (2nd curtain) Slow Synchro Safety FE trast Correction Face Self-Timer Genter FAF Point Face Self-Timer   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0<br>0 | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | -<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                               | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0      | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br><br><br><br><br><br><br><br><br><br><br>0<br>0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift   | Continuous Single On Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Dutput Snutter Sync. (2nd curtain) Slow Synchro. Safaty FE trast Correction Face Self-Timer Center AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0            | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>-<br>0<br>-<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0<br>0 | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>10<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | -<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                               | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>0<br>-<br>0<br>-<br>0<br>+10<br>-<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0      | 0<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br><br><br><br><br><br><br><br><br><br><br>0<br>0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift   | Continuous Single On Digital Tele-converter Flash Node Auto Manual Red-Eye Orrection Red-Eye Correction Red-Eye Correction Shutter Sync. (2nd curtain) Slow Synchro Ssafety FE trast Correction Flash Flash View Safety FE trast Correction Flash Safety FE Custom Safet-Timer Custom Safet-Timer Qenter AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | O       O <t< td=""><td>O  </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>-<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td></t<>  | O  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift   | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Dutput<br>Snutter Sync. (2nd curtain)<br>Side Synchro.<br>Safety FE<br>Trast Correction<br>Face Self-Timer<br>Self-Timer (2/10 sec. delay)<br>Custom Self-Timer<br>Center<br>AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0       0       0       -       0       -       -       -       -       0       0       -       -       0   | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift   | Continuous<br>Single<br>On<br>Digital Tele-converter<br>Flash Mode <u>Auto</u><br>Manual<br>Red-Eye Correction<br>Red-Eye Correction<br>Red-Eye Correction<br>Flash Dutput<br>Snutter Sync. (2nd curtain)<br>Side Synchro.<br>Safety FE<br>Trast Correction<br>Face Self-Timer<br>Self-Timer (2/10 sec. delay)<br>Custom Self-Timer<br>Center<br>AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | O  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift   | Continuous Single On Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Flash Duput Shutter Sync. (2nd curtain) Slow Synchron Safety FE trast Correction Face Self-Timer Center Custom Self-Timer Center AF Point   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>-<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>WF-Point Zoom  | Continuous Single On Digital Tele-converter Flash Wode Manual Red-Eye Correction Red-Eye Correction Flash Output Shutter Sync. (2nd curtain) Slow Synchro Safety FE trast Correction Face Self-Timer Self-Timer(2nd curtain) Gutom Self-Timer Conter AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>-<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 1SO Shift<br>WF-Point Zoom<br>Safety MF<br>AF-assist Beam   | Continuous Single On Digital Tele-converter Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Flash Dutput Snutter Sync. (2nd curtain) Slow Synchro. Safaty FE trast Correction Face Self-Timer Center AF Point view)  |    |    | 0             |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           -           O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0       0       0       -       0       -       -       -       -       -       0   | O  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Safety MF<br>AF-assist Beam<br>Review (Rec. rev  | Continuous Single On Digital Tele-sonverter Flash Node Auto Manual Red-Eve Correction Red-Eve Correction Red-Eve Correction Shutter Sync. (2nd curtain) Slow Synchro Safety FE S |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           -           O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | O           O           - | 0<br>0<br>0<br>-<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0   | 0       0       0       0       0       0       0       -       -       -       0   | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Control<br>Drive Settings<br>Spot AE Point<br>Safaty Shift<br>Auto ISO Shift<br>Auto ISO Shift<br>Auto ISO Shift<br>Auto ISO Shift<br>Auto ISO Shift<br>Auto ISO Shift<br>Ar-assiat Beam<br>Review (Rec. rev<br>Review Info   | Continuous Single On Digital Tele-sonverter Flash Node Auto Manual Red-Eve Correction Red-Eve Correction Red-Eve Correction Shutter Sync. (2nd curtain) Slow Synchro Safety FE S |    |    | 0             |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>-<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | O           O           - | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0       0       0       -       0       -       -       -       -       -       0   | O  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>WF-Point Zoom<br>Safety MF<br>AF-assist Beam<br>Review (Rec. rev<br>Review Info  | Continuous Single On Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Shutter Sync. (2nd curtain) Slow Synchron Safety FE trast Correction Face Self-Timer Center Custom Self-Timer Center AF Point  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0          0          0 <td>0<br/>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td> <td>0<br/>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>O           -</td> <td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>-<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td> <td></td> <td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td></td> <td>0<br/>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td> <td>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td> <td>0       0    <t< td=""><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0           -           -           -           0           -           -           0           -</td><td></td></t<></td>  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0       0 <t< td=""><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0           -           -           -           0           -           -           0           -</td><td></td></t<>                      |  |  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0           -           -           -           0           -           -           0           - |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift<br>WF-Point Zoom<br>Safety WF<br>AF-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category  | Continuous Single On Digital Tele-converter Flash Wode Auto Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Dutput Shutter Sync. (2nd curtain) Slow Synchro Safety FE trast Correction Face Self-Timer Self-Timer/Self-Timer Genter AF Point view) Off Detailed / Focus Check   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                          | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-   | 0       0 <t< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -       -       0       -       0       -       -       -       0       -    <t< td=""><td></td></t<></td></t<>  | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0       -       -       0       -       0       -       -       -       0       - <t< td=""><td></td></t<>  |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>WF-Point Zoom<br>Safety MF<br>AF-assist Beam<br>Review (Rec. rev<br>Review Info  | Continuous Single On Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Dutput Snutter Sync. (2nd curtain) Slow Synchro. Safaty FE trast Correction Face Self-Timer Center AF Point View) Off Detailed / Focus Check Continuous  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0           - | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0         0         0         0         0         0         1         0         1         0         0         0         1         0 <td< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0           -</td><td></td></td<> | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift<br>WF-Point Zoom<br>Safety WF<br>AF-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category  | Continuous Single On Digital Tele-converter Flash Wode Auto Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Dutput Shutter Sync. (2nd curtain) Store Synchro Safety FE trast Correction Face Self-Timer Self-Timer/Dec.delay) Custom Self-Timer Center AF Point   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0         0         0         0         0         0         0         1         1         1         0 <td< td=""><td>0       0       0       0       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0</td><td>0<br/>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>O           -</td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>-<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td></td><td></td><td>0           0           0           0           0           -</td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0         0         0         0         0         0         1         1         1         1         0         <td< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -    <t< td=""><td></td></t<></td></td<></td></td<>  | 0       0       0       0       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        |  |  | 0           0           0           0           0           - | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0         0         0         0         0         1         1         1         1         0 <td< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -    <t< td=""><td></td></t<></td></td<>  | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0       - <t< td=""><td></td></t<>  |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Flash Control<br>(Built-in)<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto ISO Shift<br>Auto So Shift<br>MF-Point Zoom<br>Safety MF<br>Af-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter | Continuous Single On Digital Tele-converter Flash Wode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Shotter Sync. (2nd curtain) Slow Synchro. Safety FE trast Correction Face Self-Timer Center AF Point View) Doff Detailed / Focus Check Continuous Shoot Only / Panning   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |  | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0         0         0         0         0         0         1         0         1         0         0         0         1         0 <td< td=""><td></td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0           -</td><td></td></td<>            |  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0           - |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Intelligent Cont<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>WF-Point Zoom<br>Safety MF<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode   | Continuous Single On Digital Tele-converter Flash Wode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Soutous Slow Synchro. Safety FE trast Correction Face Self-Timer Self-Timer Conter AF Point View) Off Detailed / Focus Check Continuous Shoot Only / Panning   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0         0         0         0         0         0         0         1         1         1         0 <td< td=""><td>0         0         0         0         0         -         -         -         -         -         -         -         -         -         -         -         -         -         -         0          0          0          0</td><td>0<br/>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>O           -</td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>-<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td></td><td></td><td>0           0           0           0           0           -</td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0<br/>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0         0         0         0         0         0         1         1         1         1         0         <td< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -    <t< td=""><td></td></t<></td></td<></td></td<> | 0         0         0         0         0         -         -         -         -         -         -         -         -         -         -         -         -         -         -         0          0          0          0 | 0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | O           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                     |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        |  |  | 0           0           0           0           0           - | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0         0         0         0         0         1         1         1         1         0 <td< td=""><td>0          </td><td></td><td>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -    <t< td=""><td></td></t<></td></td<>  | 0  |  | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-      | 0       - <t< td=""><td></td></t<>  |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Auto 150 Shift<br>Ar-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter<br>Record RAW+L/Fir  | Continuous Single On Single Indextee Single Indextee Single Indextee Indextee Indextee Showshowshow Showshowshowshow Showshowshowshow Showshowshowshow Showshowshowshow Showshowshowshowshow Showshowshowshowshowshow Showshowshowshowshowshowshow Showshowshowshowshowshowshowshowshowshows   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>0<br>0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0         0         0         0         0         0         1 <td< td=""><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td></td<>  |  |  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Auto 150 Shift<br>Ar-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter<br>Record RAW+L/Fir  | Continuous Single On Digital Tele-converter Flash Wode Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Autpot Shutter Sync. (2nd curtain) Slow Synchro Safety FE trast Correction Face Self-Timer Saif-Timer Saif-Timer Conter AF Point  view) Off Detailed / Focus Check  Continuous Shoot Only / Panning ne (JPE0) Shooting Information  |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0             |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>O<br>O<br>O<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0         0         0         0         0         1         1         1         1         0 <td< td=""><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0       -    <t< td=""><td></td></t<></td></td<>   |  |  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0       - <t< td=""><td></td></t<>  |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Auto 150 Shift<br>Ar-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter<br>Record RAW+L/Fir  | Continuous Single On Digital Tele-converter Flash Mode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Flash Dutut Snutter Sync. (2nd curtain) Slow Synchro. Safaty FE trast Correction Face Self-Timer Center AF Point View) Off Detailed / Focus Check Continuous Shoot Onty / Panning ne (JPEG) Shooting Information Gridlines Gridlines   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>O<br>O<br>O<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        |  |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0 <td< td=""><td>0        </td><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td></td<>  | 0  |  |   | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Auto 150 Shift<br>Ar-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter<br>Record RAW+L/Fir  | Continuous Single On Digital Tele-converter Flash Wode Auto Red-Eye Correction Red-Eye Correction Red-Eye Correction Shottpather Sync. (2nd curtain) Store Synchro Safety FE trast Correction Face Self-Timer Self-Timer/Self-Timer Genter AF Point View) Off Detailed / Focus Check Continuous Shoot Only / Panning Re (JPEG) Shooting Information Gridines 3:2 Guide   |    |    | 0           0 |   | 0         0           0         0 |   | 0            | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>O<br>O<br>O<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0         0         0         0         0         1         1         1         1         0 <td< td=""><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td></td<>  |  |  | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   |  |
| Servo AF<br>AF Mode+8<br>Digital Zoom+9<br>Flash Control<br>(Built-in)<br>Drive Settings<br>Drive Settings<br>Spot AE Point<br>Safety Shift<br>Auto 150 Shift<br>Auto 150 Shift<br>Ar-assist Beam<br>Review (Rec. rev<br>Review Info<br>Save Original<br>Auto Category<br>IS Mode<br>Converter<br>Record RAW+L/Fir  | Continuous Single On Digital Tele-converter Flash Wode Auto Manual Red-Eye Correction Red-Eye Correction Red-Eye Correction Solution Flash Dutput Shutter Sync. (2nd curtain) Slow Synchro. Safety FE trast Correction Face Self-Timer Genter AF Point Off Detailed / Focus Check Continuous Shoot Only / Panning ne (JPEG) Shooting Information Gridlines 3:2 Guide Histogram   |    |    | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |   | 0            |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | 0           - | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>O<br>O<br>O<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        |  |  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0<br>0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   | 0         0 <td< td=""><td>0        </td><td></td><td></td><td>0<br/>0<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td><td></td></td<>  | 0  |  |   | 0<br>0<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-   |  |

[How to read symbols in the table]

 $O\,$  : Setting available or the optimum value is automatically set by the camera. As a rule, with the "Stitch Assist", only the first image is available.

- □ : Setting available. Contents that can be set, depending on the shooting mode registered in the custom (C) mode.
- Not available.
- Colored cells ( ): The settings are memorized in custom-registered condition. Colored cells ( ) : The settings are retained even when the camera power is turned off.
- \*1 : Set to the optimum value depending on each shooting mode.
  \*2 : Fixed to ISO 3200.
  \*3 : Set to "Continuous Shooting LV" when Manual Focus setting in practicable shooting mode or fireworks is selected.
  \*4 : Fixed to Medium 3 (1600 x 1200)
  \*5 : Widescreen is not be set.
  \*6 : Av Only

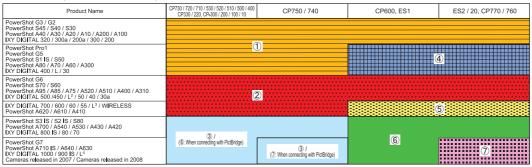
- \*5 : Widescreen is not be set.
  \*6 : Av Only.
  \*7 : Tv Only.
  \*8 : Fix to Single when 9-point is selected.
  \*9 : Not available when RAW or Widescreen is selected.
  \*10: Always set to [on].
  \*11: Only available when flash on is selected.

## 3-4 Direct Print

### 3-4-1 Print Features of Direct Print

#### • Printing with SELPHY CP Series Printers

The product name of the camera and the printer that has been described in the table is Japanese names. However, the product not sold in Japan has described an overseas name.



| 💋 Cano                 | n Direct Print features                    |   | 1 | 2 | 3   |     |
|------------------------|--|---|---|---|-----|-----|
|                        |  |   |   |   |     |     |
|                        | Single Image Print                         |   | 0 | 0 | 0   | *2  |
|                        | Setting the Number of Copies <sup>*1</sup> |   | 0 | 0 | 0   |     |
|                        |  | Standard <sup>*2</sup>                              | 0 | 0 | 0   | *3  |
|                        |  | Multiple <sup>*3</sup>                              | 0 | 0 | 0   |     |
| Easy Print             | Setting the Print Style                    | ID Photo Print                                      | × | 0 | 0   | 1   |
| Lasy Filli             |  | Borderless / Bordered                               | 0 | 0 | 0   |     |
|                        |  | Date  | 0 | 0 | 0   | *2  |
|                        | Setting the Print Area (Trimming)          | O*4   | 0 | 0 | 1   |     |
|                        | Movie Print                                | ×   | 0 | 0 |     |     |
|                        | Movie Filit                                | Single-frame  | × | × | 0   |     |
|                        | Several Selected Images Print              |   | 0 | 0 | 0   | 1   |
|                        | All Image Print                            |   | 0 | 0 | 0   | 1   |
|                        | Setting the Number of Copies <sup>*1</sup> |   | 0 | 0 | 0   |     |
|                        |  | Standard  | 0 | 0 | 0   |     |
|                        | Selecting the Print Type                   | Index   | 0 | 0 | 0   |     |
| Printing with          |  | Both (Standard + Index)                             | 0 | 0 | 0   | ] . |
| DPOF Print<br>Settings | Date and File Number Print                 | Date <sup>*5</sup>                                  | 0 | 0 | 0   |     |
| cotango                | Date and the NullDer Fillit                | File Number <sup>*6</sup><br>Standard <sup>*2</sup> | 0 | 0 | 0   | ] ` |
|                        |  | 0   | 0 | 0 | *7  |     |
|                        | Setting the Print Style                    | Multiple <sup>*3</sup>                              | 0 | 0 | 0   | ]   |
|                        | Setting the Print Style                    | Borderless / Bordered                               | 0 | 0 | O*7 |     |
|                        |  |   |   |   |     |     |

o 99 copies can be set per image. nts one image per page.

- - its eight copies of the same image on one page. is option can only be selected when printing on dit card size paper. When the print style is set to ultiple], images are printed without any date or der.
  - PowerShot A20/A10 and IXY DIGITAL 300/200. nming is not possible. PowerShot A60/A40/A30/A200/A100 and IXY

GITAL 300a/200a, you can select the print area m the top-/center-/buttom-aligned. Depending on a per size and aspect ratio of the image, the print area by be aligned to the left or right. However, the print a can be set, when the print style is [Borderless] [Multiple].

- en the print type is set to [Index], the [Date] not be printed.
- hen the print type is set to [Standard], the [File
- mber] cannot be printed. mmunication setting with the printers
- 2750/740/730/720/710/520/510) needs to be anged to PictBridge for full-sized borderless printing on wide-size paper.

#### PictBridge feature

| PietB         | ridge features                             | A . Comerciation for the                   | 4  | 5 | 6 | 7 | 0                     |
|---------------|--|--|----|---|---|---|-----------------------|
|               |  | ★ : Canon proprietary feature              |    |   |   |   | DIOTEL                |
|               | Single Image Print                         |  | 0  | 0 | 0 | 0 | [NOTE]<br>*1 Uses the |
|               | Date and File Number Print                 | Date                                       | 0  | 0 | 0 | 0 | optimize              |
|               |  | File Number                                | ×  | 0 | 0 | 0 | *2 Red-eye            |
|               |  | Auto <sup>*1</sup> (On/Off)                | 0  | 0 | 0 | 0 | *3 Red-eye            |
|               |  | ★ VIVID / NR / VIVID+NR                    | ×  | × | × | × | *4 1 to 99 c          |
|               | Setting the Print Effect                   | ★ Face brightness adjustment               | ×  | × | × | × | *5 For the u          |
|               |  | ★ Red-eye1 correction <sup>*2</sup>        | ×  | × | × | 0 | user guid             |
|               |  | ★ Red-eye2 correction*3                    | ×  | × | × | × | *6 Default            |
|               | Setting the Number of Copies <sup>*4</sup> |  | 0  | 0 | 0 | 0 | *7 Prints 2,          |
|               | Setting the Print Area (Trimming)          |  | 0  | 0 | 0 | 0 | paper. (8             |
| Easy Print    | Selecting the Paper Size <sup>*5</sup>     |  | 0  | 0 | 0 | 0 | on credi              |
|               | Selecting the Paper Type <sup>*6</sup>     |  | 0  | 0 | 0 | 0 | *8 Prints by          |
|               |  | Borderless / Bordered                      | 0  | 0 | 0 | 0 | image of              |
|               |  | N-up*7                                     | ×  | Ō | Ō | Ō | and the               |
|               |  | Fixed Sixe <sup>*8</sup>                   | ×  | Ō | Õ | Ō | user gui              |
|               | Setting the Layout                         | ★ ID Photo Print                           | ×  | Ō | Õ | Ō | *9 Only av            |
|               | 0,   | ★ 20 image index with shooting information | ×  | × | × | × | Movie P               |
|               |  | ★ Contact-sheet type 35 image index        | ×  | × | × | × | *10 When th           |
|               |  | Print with the shooting information        | ×  | × | × | × | [Date] a              |
|               |  | ★ Sequence-frame                           | ×  | 0 | 0 | 0 | same tin              |
|               | Movie Print                                | Single-frame*9                             | ×  | × | ŏ | ŏ | 1                     |
|               | Several Selected Images Print              | g  | 0  | 0 | ŏ | ŏ | 1                     |
|               | All Image Print                            |  | 0  | ŏ | Õ | Ŏ | 1                     |
|               |  | Standard                                   | ŤŎ | ŏ | ŏ | ŏ | 1                     |
|               | Selecting the Print Type                   | Index                                      | ŤŎ | ŏ | ŏ | ŏ | 1                     |
|               |  | Both (Standard + Index)                    | ŤŎ | ŏ | ŏ | ŏ | 1                     |
|               |  | Date <sup>*10</sup>                        | 0  | 0 | Õ | Ŏ | 1                     |
|               | Date and File Number Print                 | File Number <sup>*10</sup>                 | ×  | ŏ | ŏ | ŏ | 1                     |
|               |  | Auto <sup>*1</sup> (On/Off)                | 0  | ŏ | ŏ | ŏ | 1                     |
|               |  | ★ VIVID / NR / VIVID+NR                    | ×  | × | × | × | 1                     |
|               | Setting the Print Effect                   | ★ Face brightness adjustment               | ×  | × | × | × | 1                     |
| Printing with | County the Finit Encot                     | ★ Red-eye1 correction*2                    | ×  | × | × | Ô | 1                     |
| DPOF Print    |  | ★ Red-eye2 correction*3                    | ×  | × | × | × | 1                     |
| Settings      | Setting the Number of Copies*4             |  | Ô  | Ô | ô | Ô | 1                     |
|               | Selecting the Paper Size <sup>*5</sup>     |  |    | 0 | 0 |   | 1                     |
| -             | Selecting the Paper Type <sup>*6</sup>     |  |    | 0 | 0 | 0 | -                     |
|               | Selecting the Paper Type                   | Borderless / Bordered                      |    |   |   |   | -                     |
|               |  | N-up*7                                     | 0  | 0 | 0 | 0 | 4                     |
|               |  | Fixed Sixe <sup>*8</sup>                   | ×  | 0 | 0 | 0 | -                     |
|               | Catting the Lawrent                        |  | ×  | 0 | 0 | 0 | -                     |
|               | Setting the Layout                         | ★ ID Photo Print                           | ×  | × | × | × | 4                     |
|               |  | ★ 20 image index with shooting information | ×  | × | × | × | 4                     |
|               |  | ★ Contact-sheet type 35 image index        | ×  | × | × | × | 4                     |
|               |  | Print with the shooting information        | ×  | × | × | × |                       |

nera's shooting information to

- image data.
- rection only. R + Face brightness adjustment.
- s can be set per image
- e paper size, refer to the printer
- (8) images on a single sheet of only be selected when printing d size paper.)
- cifying the print size of the heet of paper. For the paper size size, refer to the direct print

le with cameras supporting

(in single frames) function. int type is set to [Index], the File Number] cannot be set at the

#### • Printing with Canon Bubble Jet Printers (inkjet printer series/SELPHY DS series)

The product name of the camera and the printer that has been described in the table is Japanese names. However, the product not sold in Japan has described an overseas name.

| Product Name   | PIXUS 470PD.<br>450i / 50i<br>BJ 895PD /<br>535PD /<br>F890PD | / PIXUS MP390 /<br>MP375R /<br>MP370<br>PIXUS 475PD /<br>455i / 80i | 860i / 560i | PIXUS MP900<br>PIXUS iP9910 /<br>9900i / 9900i /<br>960i / 900PD<br>SELPHY DS700 | PIXUS MIP790 /<br>MIP770<br>MIP770<br>PIXUS iIP8600 /<br>IIP8100 / IIP7100 /<br>IIP61000 / IIP4100,<br>IIP61000 / IIP4100,<br>IIP2000 / IIP90 / IIP90 /<br>IIP5000 | PIXUS 1P4200 | PIXUS MP500 /<br>MP170<br>MP530 /<br>MP450 / MP150<br>iP6220D /<br>iP6210D<br>PIXUS mini220<br>SELPHY DS810 | PIXUS MP950 /<br>MP800 / MP800 /<br>MP800R<br>PIXUS iP7500 /<br>iP6600D / iP5200 /<br>iP5200R | PIXUS (P670007<br>iP6320D /<br>iP6310D | PIXUS ix5000 /<br>ix4000<br>PIXUS iP4300 /<br>iP3500 / iP3300 | PIXUS MP510/<br>MP460<br>MP180/<br>MP160 | Pro9000           | PIXUS MX/600/<br>MX850<br>PIXUS MP970 /<br>960 / 810 / 610 /<br>600 / 520 / 470<br>MX700 /<br>310 / 300 / MP600R<br>IP5300 / IP4500<br>PIXUS mini360 /<br>320 / 260 | 210            |
|--|---|---|-------------|--|--|--------------|---|---|--|---|--|-------------------|---|----------------|
| PowerShot G3 / G2<br>PowerShot S45 / S40 / S30<br>IXY DIGITAL 320 / 300a / 200a  |   |   |             | -  |  |              |   |   |  |   | Bubble                                   | Jet Direct is not | available   |                |
| PowerShot Pro1<br>PowerShot G6 / G5 /<br>PowerShot S1 IS / S70 /<br>S60 / S50<br>PowerShot A55 / A85 / A80 /<br>A75 / A70 / A80 / A400 /<br>A73 / A70 / A80 / A400 /<br>A73 / A70 / A80 / A400 /<br>L / 30a / 30<br>PowerShot A520 / A510<br>IXY DIGITAL L <sup>2</sup> / S0 / 40<br>PowerShot S2 IS   |   |   |             |  |  |              |   |   |  |   |  |                   |   |                |
| IXY DIGITAL 500 / 55           Power/Shot S3 IS / 580           Power/Shot S3 IS / 580           Power/Shot A700 / A20 / A610           Power/Shot A700 / A20 / A610           WO HORD A80 / A20 / A610           WO HORD A80 / A20 / A610           WO HORD A80 / A700 / A21           B0 / 70 / 60 / WIRELESS           Power/Shot A710 / S / A640 / A630           IXY DIGITAL 100 / S015 / L <sup>4</sup> Cameras released in 2008 / st half | 0   | 2   | 3           | 4  | 5  | 6            | Ø   | 8   | 9                                      |   | Ø  | )                 | 8   | <u>7</u><br>1) |

| Bubł                  | ble Jet Direct features                    |                          |   |     |
|-----------------------|--|--------------------------|---|-----|
|                       | Single Image Print                         |                          |   | 0   |
|                       | Setting the Number of Copies <sup>*1</sup> |                          |   | 0   |
| Easy Print            |  | Paper Size <sup>*2</sup> |   | 0   |
| Lasy Filli            | Setting the Print Style                    | Borderless / Bordered    |   | 0   |
|                       |  | Date                     |   | 0   |
|                       | Setting the Print Area (Trimming)          |                          |   | O*3 |
|                       | Several Selected Images Print              |                          | 0 |     |
|                       | All Image Print                            |                          |   | 0   |
|                       | Setting the Number of Copies <sup>*1</sup> |                          |   | 0   |
| Printing<br>with DPOF |  | Standard                 |   | 0   |
| Print                 | Selecting the Print Type                   | Index                    |   | 0   |
| Settings              |  | Both (Standard + Index)  |   | 0   |
| -                     | Date and File Number Print                 | Date                     |   | 0   |
|                       | Date and The Number Fint                   |                          | × |     |
|                       | Setting the Print Style                    | Borderless / Bordered    |   | 0   |
| P( Dist               | Dridge features                            |                          | ٢ | 3 Ø |

#### [NOTE]

\*1 1 to 99 copies can be set per image.

\*2 For the usable paper size, refer to the printer user guide.

\*3 In PowerShot A60 and IXY DIGITAL 300a/200a, you can select the print area from Top/Center/Bottom. Depending on a paper size and aspect ratio of the image, the print area may be aligned to the left or right. However, the print area can be set when the print style is [Borderless].

| 🖊 Pi             | ctBridge features             |  | 2 | 3   | 4 | 5               | 6               | Ø | 8   | 9               | 10 | 1 | 1   |
|------------------|-------------------------------|--|---|-----|---|-----------------|-----------------|---|-----|-----------------|----|---|---|
|                  |                               | ★: Canon proprietary feature   |   |     |   |                 |                 |   |     |                 |    |   |   |
|                  | Single Image Print            |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | [NOTE]  |
|                  | Date and File Number          | Date   | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *1 Uses the camera's shooting   |
|                  | Print                         | File Number  | × | ×   | × | ×               | 0               | 0 | 0   | 0               | 0  | 0 | information to optimize the   |
|                  |                               | Auto*1 (On/Off)  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | image data.   |
|                  |                               | ★ VIVID / NR / VIVID+NR  | × | ∆*2 | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *2 VIVID only.  |
|                  | Setting the Print Effect      | ★ Face brightness adjustment   | × | ×   | × | ×               | ×               | 0 | 0   | 0               | 0  | 0 | *3 Red-eye correction only.   |
|                  |                               | ★ Red-eye1 correction*3  | × | ×   | × | ×               | ×               | × | ×   | ×               | 0  | 0 | *4 Red-eye + NR + Face bright-<br>ness adjustment.                      |
|                  |                               | ★ Red-eye2 correction <sup>*4</sup>  | × | ×   | × | ×               | ×               | × | ×   | 0               | 0  | 0 | * <sup>5</sup> 1 to 99 copies can be set per                            |
|                  | Setting the Number of C       |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | image.  |
| Easy             | Setting the Print Area (T     |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *6 For the usable paper size, refer                                     |
| Print            | Selecting the Paper Size      |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | to the printer user guide.  |
|                  | Selecting the Paper Typ       |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *7 For the usable paper type,   |
|                  |                               | Borderless / Bordered  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | refer to the printer user guide.<br>*8 Prints 2, 4, 9 or 16 images on a |
|                  |                               | N-up <sup>*8</sup><br>Fixed Sixe <sup>*10</sup>  | × | ×   | × | 0 <sup>*9</sup> | 0 <sup>*9</sup> | 0 | O*9 | 0 <sup>*9</sup> | 0  | 0 | single sheet of paper. The  |
|                  | 0                             |  | × | ×   | × | ×               | ×               | × | ×   | ×               | ×  | × | number of images that can be  |
|                  | Setting the Layout            | ★ ID Photo Print   | × | ×   | × | ×               | ×               | × | ×   | ×               | ×  | × | arranged on a single sheet of   |
|                  |                               | ★ 20 image index with shooting information*11  | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | paper is different depending  |
|                  |                               | ★ Contact-sheet type 35 image index*12   | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | on the printer and the paper  |
|                  |                               | Print with the shooting information <sup>*13</sup>   | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | size. Then, refer to the print  |
|                  | Movie Print                   | ★ Sequence-frame   | × | ×   | × | ×               | ×               | × | ×   | ×               | ×  | × | user guide.<br>*9 Not available when connecting                         |
|                  |                               | Single-frame <sup>*14</sup>  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | with the PIXUS Pro9500  |
|                  | Several Selected Image        | s Print  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | printer.  |
|                  | All Image Print               | Chandrad   | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *10Prints by specifying the print                                       |
|                  | Calculation the Drint Trues   | Standard   | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | size of the image on a sheet of   |
|                  | Selecting the Print Type      | Index  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | paper. For the paper size and   |
|                  |                               | Both (Standard + Index)<br>Date <sup>*15</sup>   | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | the print size, refer to the<br>direct print user guide.                |
|                  | Date and File Number<br>Print | File Number*15 16  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | * <sup>11</sup> Only available with cameras                             |
|                  | FIIII                         | Auto <sup>*1</sup> (On/Off)  | × | ×   | × | ×               | 0               | 0 | 0   | 0               | 0  | 0 | supporting 20 image index   |
| 1                |                               | ★ VIVID / NR / VIVID+NR  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | layout with shooting informa-   |
|                  | 0.11 B B F F F F F            |  | × | ∆*2 | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | tion.   |
| D. C. C. L.      | Setting the Print Effect      | <ul> <li>★ Face brightness adjustment</li> <li>★ Red-eye1 correction<sup>*3</sup></li> </ul>           | × | ×   | × | ×               | ×               | 0 | 0   | 0               | 0  | 0 | *12Only available with cameras  |
| Printing<br>with |                               | ★ Red-eye1 correction *  | × | ×   | × | ×               | ×               | × | ×   | ×               | 0  | 0 | supporting contact-sheet type   |
| DPOF             | Setting the Number of C       |  | × | ×   | × | ×               | ×               | × | ×   | 0               | 0  | 0 | 35 image index layout.<br>*13Not available when printing                |
| Print            | Selecting the Paper Size      |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | without borders.  |
| Settings         | Selecting the Paper Size      |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | *14[Single-frame] is only possi-  |
|                  | Selecting the Paper Typ       | Borderless / Bordered  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | ble, when the camera corre-   |
|                  |                               |  | 0 | 0   | 0 | 0               | 0               | 0 | 0   | 0               | 0  | 0 | sponds to the Movie print   |
|                  |                               | N-up <sup>*8</sup><br>Fixed Sixe <sup>*10</sup>  | × | ×   | × | O*9             | O*9             | 0 | O*9 | 0 <sup>*9</sup> | 0  | 0 | (Single-frame).   |
|                  |                               | Fixed Sixe <sup>10</sup><br>★ ID Photo Print   | × | ×   | × | ×               | ×               | × | ×   | ×               | ×  | × | *15When the print type is set to<br>[Index], the [Date] and [File       |
|                  | 0.000                         | <ul> <li>★ ID Photo Print</li> <li>★ 20 image index with shooting information*<sup>11</sup></li> </ul> | × | ×   | × | ×               | ×               | × | ×   | ×               | ×  | × | [Index], the [Date] and [File<br>Number] cannot be set at the           |
|                  | Setting the Layout            | ★ 20 Image index with shooting information ★ Contact-sheet type 35 image index <sup>*12</sup>          | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | same time.  |
|                  |                               | ★ Contact-sneet type 35 Image Index 12   | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | *16When the print type is set to  |
|                  |                               | Print with the shooting information <sup>*13</sup>   | × | ×   | × | ×               | ×               | × | 0   | 0               | 0  | × | [Standard], the [File Number]<br>cannot be printed.                     |
| L                | I                             |  | L |     | - | -               |                 |   |     |                 |    | L | 1   |

### 3-4-2 The Connection between Digital Cameras and Printers

The connection between Canon digital cameras (PowerShot series and IXY series) and printers shows in Table 1.

|  | Divitel Comoroa                                       |   | irect Print / Bubble Jet I<br>PictBridge support                                   | Direct /   | Canon Direct Print /<br>Bubble Jet Direct support | Canon Direct Print<br>support                   |  |  |  |
|--|---|---|--|--|---|---|--|--|--|
| Printers   | Digital Cameras                                       | Cameras released in 2006,<br>2007 and <b>2008</b> | Cameras released in 2003<br>and 2005<br>(Except for PS A520/A510)<br>PS Pro1/S1 IS | Cameras released in 2004<br>(Except for PS Pro1/S1 IS)<br>PS A520/A510 | PS G3/G2/S45/S40/S30,<br>ID 320/300a/200a         | PS A40/A30/A20/A10/<br>A200/A100,<br>ID 300/200 |  |  |  |
| CP series (Canon<br>Direct Print support)                | CP-10<br>CP-100                                       |   |  |  |   |   |  |  |  |
| CP series<br>(Canon Direct Print,<br>PictBridge support) | CP-200/300<br>CP220/330                               | Canon Direct Print /                              |  | Canon E  | Direct Print                                      |   |  |  |  |
| SELPHY CP series/<br>ES series                           | CP750/740/<br>730/720/710/<br>530/520/510/<br>500/400 | PictBridge  |  |  |   |   |  |  |  |
| (Canon Direct Print,<br>PictBridge support)              | ES2/ES1/<br>ES20, CP600/<br>770/760                   | PictBrid  |  |  |   |   |  |  |  |
| inkjet printer series<br>(Bubble Jet Direct sup          | port)   |   |  | -  |   |   |  |  |  |
| inkjet printer series<br>(Bubble Jet Direct, Pict        | Bridge support)                                       |   |  | Bubble Jet Direct  | -   |   |  |  |  |
| SELPHY DS series<br>(Bubble Jet Direct, Pict             | Bridge support)                                       |   |  | -  |   |   |  |  |  |
| Other manufacturer's P<br>(PictBridge support)           | Printer   |   |  |  |   |   |  |  |  |

• IXY (ID) is the name for Japanese market.

• The supporting digital cameras and printers are included by improvement of the version of the firmware.

• For SLR digital cameras and video cameras, refer to their SERVICE MANUAL.

\* It is possible to change printer connection to PictBridge with the camera. However, the change is unnecessary, except when full-sized borderless printing on wide-size paper with CP770/760/750/740/730/720/710/530/520/510.

Table 1 The conuection between Digital Cameras and Printers

# 3-5 Playback Compatibility

### 3-5-1 Still Images

| $\square$              | <u></u>  |   | Cameras for playback (except SLR cameras)  |  |                                   |   |                           |  |   |   |  |  |  |  |
|------------------------|--|---|--|--|-----------------------------------|---|---------------------------|--|---|---|--|--|--|--|
|                        |  |   |  | CF card  | -                                 | -   |                           | SD   | SD/MMC*   | SD/SDHC/MMC <sup>*</sup><br>(MMC <i>plus</i> : TX1<br>only)   | SD/MMC/SDHC/<br>MMCplus/<br>HC MMCplus   |  |  |  |
|                        |  |   | ID 400/320/300a/300/200a/<br>200, IXY DIGITAL<br>PS S20/S10<br>PS A70/A60/A40/A30/A20/<br>A10/A300/A200/A100 | PS G3/G2/G1<br>PS Pro90 IS<br>PS S50/S45/S40/<br>S30 | PS Pro1<br>PS G6/G5<br>PS S70/S60 | ID 500/450<br>PS S1 IS<br>PS A95/A85/A80/<br>A75/A310 | ID 30                     | ID 600/55/50/<br>40/30a/L <sup>2</sup> /L<br>PS S2 IS<br>PS A400 | ID 800 IS/700/80/<br>70/60/L <sup>3</sup> /<br>WIRELESS<br>PS 880/A700/<br>A620/A610/A540/<br>A530/A520/A510/<br>A430/A420/A410 | ID 1000/900 IS/<br>810 IS/90/10/L <sup>4</sup><br>PS G7/S3 IS/<br>S5 IS/TX1<br>PS A710 IS/A640/<br>A630/A570 IS/A560/<br>A550/A460/A450 | PS G10<br>ID 3000 IS/2000 IS/<br>920 IS/<br>910 IS/820 IS/95 IS/<br>25 IS/20 IS<br>PS G9/SX100 IS/<br>SX110 IS/SX10 IS<br>PS A1000 IS/<br>A2000 IS/E1/A720<br>IS/A550 IS/<br>A590 IS/A580/A470 |  |  |  |
|                        | _  | ID 500/450/400/320/300a/300/200a/200, IXY DIGITAL<br>PS S1 IS/S20/S10<br>PS A95/A85/A80/A75/A70/A60/A40/A30/A20/A10/<br>A310/A300/A200/A100                         | 0  | 0  | 0                                 | 0   |                           |  |   |   |  |  |  |  |
| leras)<br>O            |  | PS G6/G5/G3/G2/G1<br>PS Pro90 IS<br>PS S70/S60/S50/S45/S40/S30  | O*1  | 0  | 0                                 | O*1   | □ <sup>*1</sup>           | <b>□</b> *1  |   |   |  |  |  |  |
| carr                   |  | PS Pro1   | O*1*2  | O*2  | 0                                 | O*1   | □ <sup>*1*2</sup>         | □ <sup>*1</sup>  |   |   |  |  |  |  |
| j (except SLR cameras) | D  | ID 600/55/50/40/30a/30/L <sup>2</sup> /L<br>PS S2 IS<br>PS A400   |  |  |                                   |   | 0                         | 0  | 0   | 0   | 0  |  |  |  |
| g (exc                 | D/MMC*   | ID 800 IS/700/80/70/60/L <sup>3</sup> /WIRELESS<br>PS A700/A620/A610/A540/A530/A520/A510/A430/A420/A410   |  |  |                                   |   | 0                         | 0  | 0   | 0   | 0  |  |  |  |
| otin                   |  | PS S80  | □ <sup>*2</sup>  | □ <sup>*2</sup>                                      |                                   |   | O*3                       | O*3  | 0   | 0   | 0  |  |  |  |
| as for shooting        | D/SDHC/<br>MC <sup>*</sup>   | PS A710 IS/A570 IS/A560/A550/A460/A450  | □ <sup>*4</sup>  | □ <sup>*4</sup>                                      | □ <sup>*4</sup>                   | <b>□</b> *4   | O <sup>*4</sup>           | O <sup>*4</sup>  | O <sup>*4</sup>   | 0   | 0  |  |  |  |
| Camer                  | VIMCplus:         ID 1000/810 IS           X1 only)         PS G7/S5 IS           PS A640/A630 | PS G7/S5 IS   | □ <sup>*2*4</sup>  | □ <sup>*2*4</sup>                                    | □ <sup>*4</sup>                   | <b>D</b> <sup>*4</sup>                                | O <sup>*3*4</sup>         | O <sup>*3*4</sup>  | O <sup>*4</sup>   | 0   | 0  |  |  |  |
| M                      | D/SDHC/<br>MC <sup>*</sup> /<br>MC <i>plus/</i><br>C MMC <i>plus</i>                           | PS G10<br>ID 3000 IS/2000 IS/920 IS/910 IS/820 IS/95 IS/25 IS/20 IS<br>PS G9/SX100 IS/SX110 IS/SX10 IS<br>PS A1000 IS/A2000 IS/E1/A720 IS/A650 IS/A590 IS/A580/A470 | □ <sup>*2*4*5</sup>  | □ <sup>*2*4*5</sup>                                  | □ <sup>*4*5</sup>                 | □ <sup>*4*5</sup>                                     | O <sup>*2*3*</sup><br>4*5 | O <sup>*3*4*5</sup>  | O <sup>*4*5</sup>   | O <sup>*5</sup>   | 0  |  |  |  |
|                        |  | PS G9/G10 RAW image   | ×  | ×  | ×                                 | ×   | ×                         | ×  | ×   | ×   | O*6  |  |  |  |

PS : PowerShot

ID : IXY DIGITAL (The model names of IXY are for Japanese market) O : Playback available

<sup>\*1</sup> Thumbnail is displayed for RAW image
 <sup>\*2</sup> JPEG file can be played-back up to 3200 x 2400 pixels (Thumbnail displays when more than 3200 x 2400 pixels)
 <sup>\*3</sup> Images recorded in the MultiMediaCard may not be played-back.
 <sup>\*4</sup> Images recorded in the SDHC memory card can not be played-back.
 <sup>\*5</sup> Images recorded in the HC MMC*plus* card can not be played-back.
 <sup>\*6</sup> IPEG image is played-back accompanied for display.
 <sup>\*6</sup> MultiMediaCard

 $\Box$  : Playback available when interchange of memory cards  $\times$  : Playback not available

|                      |  |  |   |                                       |                 |  |                 |  | Cam               | eras                | for playback  |         |                                 |   |     |  |   |
|----------------------|--|--|---|---------------------------------------|-----------------|--|-----------------|--|-------------------|---------------------|---|---------|---------------------------------|---|-----|--|---|
|                      |  |  |   |                                       | CFcard          |  |                 | ;  | SD                |                     | SD/MMC*   |         | SD/SDHC/<br>/MC <i>plus</i> : T |   |     | SD/MMC/SDHC/I<br>HC MMCp   | MMCplus/<br>blus                              |
|                      |  |  | IXY DIGITAL<br>PS S20/S10<br>PS A20/A10 | PS G2/G1<br>PS Pro90 IS<br>PS S40/S30 | 200a/200        | PS Pro1/G6/G5/G3<br>PS S70/S60/S50/S45<br>ID 500/450/400/320<br>PS A95/A85/A80/<br>A75/A70/A60/<br>A310/A300 | PS<br>S1 IS     | ID<br>30a/30/<br>L <sup>2</sup> /L<br>PS 400 | PS S2 IS          | PS<br>A520,<br>A510 | ID 800 IS/700/80/<br>/ 70/60/L <sup>3</sup> /<br>WIRELESS<br>PS 880<br>PS A700/A620/<br>A610/A540/A530/<br>A430/A420/A410 | PS A710 | 900 IS/L <sup>4</sup><br>PS G7  | ID 90/10<br>PS TX1/<br>A570 IS/<br>A560 | IS  | ID 2000 IS/910 IS/<br>820 IS/95 IS/25 IS/<br>20 IS<br>PS G9/SX100IS/<br>SX110 IS<br>PS A1000 IS/A2000 IS<br>E1/A720 IS/A650 IS/<br>A590 IS/A580/A470 | PS G10<br>ID 3000 IS/<br>920 IS<br>PS SX10 IS |
|                      |  | PS G2/G1, PS Pro90 IS, PS S40/S30  | ×                                       | 0                                     | O*1             | 0  | 0               |  |                   |                     |   |         |                                 |   |     |  | ×   |
|                      |  | ID 300a/300/200a/200<br>PS A40/A30/A200/A100   | ×                                       | O*1                                   | 0               | 0  | 0               |  |                   |                     |   |         |                                 |   |     |  | ×   |
|                      | CF   | ID 500/450/400/320<br>PS Pro1/G6/G5/G3/S70/S60/S50/S45<br>PS A95/A85/A80/A75/A70/A60/A310/A300   | ×                                       | O*1                                   | O*1             | 0  | 0               |  |                   |                     |   |         |                                 |   |     |  | ×   |
|                      |  | PS S1 IS   | ×                                       | ×                                     | ×               | ×  | 0               | ×  |                   | ×                   |   |         |                                 |   |     |  | ×   |
|                      | <b></b>                                      | ID 30a/30/L <sup>2</sup> /L<br>PS 400  | ×                                       | □ <sup>*1</sup>                       | □ <sup>*1</sup> |  |                 | 0  | 0                 | 0                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
|                      | SD   | ID 600/55/50/40  | ×                                       | ×                                     | ×               | ×  |                 | ×  | 0                 | ×                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
|                      |  | PS S2 IS   | ×                                       | ×                                     | ×               | ×  | ×               | X  | ×                 | ×                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
|                      |  | PS A520/A510   | ×                                       | □ <sup>*1</sup>                       | □ <sup>*1</sup> |  |                 | O*2  | O*2               | 0                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
| Cameras for shooting | SD<br>MMC <sup>*</sup>                       | ID 800 IS/700/80/70/60/L <sup>3</sup> /WIRELESS<br>PS S80 (except XGA)<br>PS A700/A620/A610/A540/A530/A430/A420/A410                       | ×                                       | ×                                     | ×               | ×  |                 | ×  | O*2               | ×                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
| or s                 |  | PS S80 (XGA)   | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | 0   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
| eras fo              |  | PS S3 IS (except 320 x 240, 60fps)<br>PS A710 IS/A640/A630/A550/A460/A450  | ×                                       | ×                                     | ×               | ×  | □ <sup>*5</sup> | ×  | O <sup>*2*5</sup> | ×                   | O*5   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
| am                   | SD/SDHC/                                     | PS S3 IS (except 320 x 240, 60fps)   | ×                                       | ×                                     | ×               | ×  | □*5             | ×  | ×                 | ×                   | O*5   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
|                      | MMC <sup>*</sup>                             |  | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | 0       | 0                               | 0                                       | 0   | 0  | ×   |
|                      | (MMC <i>plus</i> :<br>TX1 only)              | ID 1000/900 IS/810 IS <sup>*3</sup> /90 <sup>*3</sup> /10 <sup>*3</sup> /L <sup>4</sup><br>PS G7/S5 IS/TX1 <sup>*4</sup> , PS A570 IS/A560 | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | 0                               | 0                                       | 0   | 0  | ×   |
|                      |  | PS TX1 (1280 x 720)  | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | ×                               | 0                                       | ×   | ×  | ×   |
|                      |  | ID 810 IS/90/10 (Time Lapse)   | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | ×                               | 0                                       | 0   | 0  | ×   |
|                      | I<br>SD/SDHC/                                | ID 2000 IS/910 IS/820 IS/95 IS/25 IS/20 IS<br>PS G9/SX100 IS/SX110 IS<br>PS A1000 IS/A2000 IS/E1/A720 IS/A650<br>IS/A590 IS/A580/A470      |   | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | O <sup>*6</sup>                 | O*6                                     | O*6 | 0  | ×   |
|                      | MMC <sup>°</sup> /<br>MMCplus/<br>HC MMCplus | ID 820 IS/95 IS/25 IS/20 IS (Time Lapse)<br>ID 2000 IS/910 IS, PS G9 (Time Lapse)  | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | ×                               | O*6                                     | O*6 | 0  | ×   |
|                      |  | PS G10<br>PS SX10 IS<br>ID 3000 IS/920 IS  | ×                                       | ×                                     | ×               | ×  | ×               | ×  | ×                 | ×                   | ×   | ×       | ×                               | ×                                       | ×   | ×  | 0   |

PS : PowerShot

ID : IXY DIGITAL (The model names of IXY are for Japanese market)
O : Playback available
: Playback available when interchanging of memory cards
× : Playback not available

\*1 Playback not available when file size or recording time exceeds each limit. \*2 Images recorded in the MultiMediaCard (MMC) may not be played-back. \*3 Except Time Lapse Movie \*4 Except 1280 x 720 \*5 Images recorded in the SDHC memory card can not be played-back. \*6 Images recorded in the HC MMC*plus* card can not be played-back.

\* MultiMediaCard

# 3-6 List of Accessory and Its Compatibility

## 3-6-1 Camera

### PowerShot G Series, S Series, SX\*(\*\*) Series, Pro Series

|   | G10 | SX10 IS | G9<br>G7 | S5 IS<br>S3 IS<br>S2 IS | S80 | G6 | S70<br>S60 | S1 IS | Pro1 | PS G5<br>PS G3 | S50<br>S45<br>S40<br>S30 | G2 | Pro<br>90 IS | G1 |
|---|-----|---------|----------|-------------------------|-----|----|------------|-------|------|----------------|--------------------------|----|--------------|----|
| <battery></battery>   |     |         |          |                         | 1   | 1  | 1          | 1     |      | 1              |                          | 1  | 1            |    |
| NB-2L/2LH   | -   | -       | 0        | -                       | 0   | -  | 0          | -     | -    | -              | 0                        | -  | -            | -  |
| BP-511/511A   | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| BP-512/514  | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | -            | -  |
| NB4-100/NB4-200   | -   | 0       | -        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| NB4-300   | -   | 0       | -        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| NB-7L   | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| <adapter charg<="" td=""><td>er&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></adapter> | er> |         |          |                         |     |    |            |       |      |                |                          |    |              |    |
| ACK700  | -   | -       | -        | -                       | -   | -  | 0          | -     | -    | -              | 0                        | -  | -            | -  |
| ACK-DC20  | -   | -       | 0        | -                       | 0   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| ACK-DC50  | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| CA-PS700 (N)  | 0   | 0       | 0        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| CA-560  | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| CA-570 + CG-560/570   | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| CR-560  | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| CB-5L/CG-580  | -   | -       | -        | -                       | -   | 0  | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| CB-2LT/CB-2LTE  | -   | -       | -        | -                       | -   | -  | 0          | -     | -    | -              | 0                        | -  | -            | -  |
| CB-2LW/2LWE   | -   | -       | 0        | -                       | 0   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| CB-3AH(CBK-100)   | -   | 0       | -        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| CB-4AH(CBK4-200)  | -   | 0       | -        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| CBC-NB2   | -   | -       | 0        | -                       | 0   | -  | 0          | -     | -    | -              | 0                        | -  | -            | -  |
| CB-5AH(CBK4-300)  | -   | 0       | -        | 0                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| CB-2LZ/CB-2LZE  | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| <dc coupler=""></dc>  |     |         |          |                         |     |    |            | 1     |      |                |                          |    |              |    |
| DR-700  | -   | -       | -        | -                       | -   | -  | 0          | -     | -    | -              | 0                        | -  | -            | -  |
| DR-20   | -   | -       | 0        | -                       | 0   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| DR-50   | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| <lens accessor<="" td=""><td>۲v&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></lens>    | ۲v> |         |          |                         |     |    |            |       |      |                |                          |    |              |    |
| WC-DC58   | -   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | 0  | 0            | 0  |
| WC-DC58N  | -   | -       | -        | -                       | -   | 0  | -          | -     | -    | 0              | -                        | -  | -            | -  |
| WC-DC52A  | -   | -       | -        | -                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| WC-DC58A  | -   | -       | -        | 0                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| WC-DC58B  | -   | -       | 0        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| WC-DC10   | -   | -       | -        | -                       | 0   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| TC-DC52B  | -   | -       | -        | -                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| TC-DC58   | -   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | 0  | -            | 0  |
| TC-DC58N  | -   | -       | -        | -                       | -   | 0  | -          | -     | -    | 0              | -                        | -  | -            | -  |
| TC-DC58A  | -   | -       | -        | -                       | -   | -  | -          | -     | 0    | -              | -                        | -  | -            | -  |
| TC-DC58B  | -   | -       | -        | 0                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| TC-DC58C  | -   | -       | 0        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| TC-DC58D  | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| TC-DC10   | -   | -       | -        | -                       | 0   | -  | 0          | -     | -    | -              | -                        | -  | -            | -  |
| 250D 58mm   | -   | -       | -        | -                       | -   | 0  | -          | -     | -    | 0              | -                        | 0  | -            | 0  |
| 500D 52mm   | -   | -       | -        | -                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| 500D 58mm   | -   | -       | -        | 0                       | -   | -  | -          | -     | 0    | -              | -                        | -  | 0            | -  |
| LA-DC52E  | -   | -       | -        | -                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
| LA-DC58   | -   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | 0  | -            | 0  |
| LA-DC58B  | -   | -       | -        | -                       | -   | -  | -          | -     | -    | 0              | -                        | -  | -            | -  |
| LA-DC58C  | -   | -       | -        | -                       | -   | -  | -          | -     | 0    | -              | -                        | -  | -            | -  |
| LA-DC58D  | -   | -       | -        | -                       | -   | 0  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LA-DC58E  | -   | -       | -        | 0                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LA-DC58H  | -   | -       | 0        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LA-DC58K  | 0   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LA-DC30K  | -   | -       | -        | -                       | -   | -  | 0          | -     | -    | _              | -                        | -  | -            | _  |
| LA-DC10   | -   | -       | -        | -                       | 0   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| FA-DC58A  | _   | -       | _        | -                       | -   | _  | -          | -     | 0    | _              | -                        | -  | -            | _  |
| LH-DC58   | -   | -       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | 0            | -  |
| LH-DC10   | -   | -       | -        | -                       | -   | -  | -          | -     | 0    | -              | -                        | -  | -            | -  |
| LH-DC20   |     |         |          |                         |     |    |            |       |      |                |                          |    |              |    |
| LH-DC20<br>LH-DC30  | -   | -       | -        | -                       | -   | -  | -          | 0     | -    | -              | -                        | -  | -            | -  |
|   | -   | -       | -        | -                       | -   | 0  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LH-DC40   | -   | -       | -        | 0                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LH-DC50   | -   | 0       | -        | -                       | -   | -  | -          | -     | -    | -              | -                        | -  | -            | -  |
| LAH-DC20  | -   | -       | -        | 0                       | 0   | -  | -          | - 0   | -    | -              | -                        | -  | -            | -  |
| LAH-DC10  | -   | -       | -        | -                       | -   | -  | -          |       | -    | -              | -                        | -  | -            | -  |

|  | G10     | SX10 IS  | G9<br>G7 | S5 IS<br>S3 IS<br>S2 IS | S80    | G6      | S70<br>S60 | S1 IS | Pro1 | PS G5<br>PS G3 | S50<br>S45<br>S40<br>S30 | G2 | Pro<br>90 IS | G1 |
|--|---------|----------|----------|-------------------------|--------|---------|------------|-------|------|----------------|--------------------------|----|--------------|----|
| RAK-DC1  | -       | -        | 0        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| RAK-DC2  | 0       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| <speedlite></speedlite>  |         |          |          |                         |        |         |            | 1     | 1    |                |                          |    | 1            |    |
| 220EX  | 0       | 0        | 0        | O (S5 IS)               | -      | 0       | - 1        | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| 380EX  | -       | -        | -        | -                       | -      | 0       | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| 420EX  | -       | -        | -        | -                       | -      | 0       | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| 430EX(áU)  | 0       | 0        | 0        | O (S5 IS)               | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| 550EX  | -       | -        | -        | -                       | -      | 0       | -          | -     | 0    | 0              | -                        | 0  | 0            | 0  |
| 580EX  | 0       | 0        | 0        | O (S5 IS)               | -      | 0       | -          | -     | -    | -              | -                        | -  | -            | -  |
| 580EX II   | 0       | 0        | 0        | Ò                       | -      | 0       | -          | -     | -    | -              | -                        | -  | -            | -  |
| (MR-14EX)  | 0       | -        | -        | O (S5 IS)               | -      | 0       | -          | -     | 0    | 0              | -                        | 0  | -            | -  |
| (MT-24EX)  | 0       | -        | -        | 0 (S5 IS)               | -      | 0       | -          | -     | 0    | 0              | -                        | -  | -            | -  |
| HF-DC1   | 0       | -        | 0        | Ò Í                     | 0      | 0       | 0          | 0     | 0    | 0              | 0                        | 0  | 0            | 0  |
| <wireless rem<="" td=""><td>ote Con</td><td>torol Un</td><td>it&gt;</td><td></td><td></td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td>1</td><td></td></wireless>                              | ote Con | torol Un | it>      |                         |        |         |            | 1     | 1    |                |                          |    | 1            |    |
| WL-DC100   | -       | -        | -        | -                       | -      | 0       | 0          | 0     | 0    | 0              | -                        | 0  | 0            | 0  |
| WL-DC300   | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| RS-60E3  | 0       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| <cables and="" ot<="" td=""><td>hers&gt;</td><td></td><td>l</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td>ł</td><td>ł</td><td></td><td>1</td><td>ł</td><td></td></cables>                                    | hers>   |          | l        |                         |        | 1       | 1          | 1     | ł    | ł              |                          | 1  | ł            |    |
| AVC-DC100  | -       | -        | -        | -                       | -      | -       | -          | -     | -    | 0              | 0                        | 0  | 0            | 0  |
| AVC-DC300  | 0       | -        | 0        | -                       | 0      | 0       | 0          | 0     | 0    | -              | -                        | -  | -            | -  |
| STV-250N   | -       | 0        | -        | 0                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| IFC-200MC  | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | 0            | 0  |
| IFC-200PCS   | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | 0            | 0  |
| IFC-200PCU   | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | 0  | 0            | 0  |
| IFC-300PCU   | -       | -        | -        | -                       | -      | -       | -          | -     | -    | 0              | 0                        | -  | -            | -  |
| IFC-400PCU   | 0       | 0        | 0        | 0                       | 0      | 0       | 0          | 0     | 0    | -              | -                        | -  | -            | -  |
| AD-PC98  | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | 0            | 0  |
| DIF-100  | 0       | 0        | 0        | 0                       | 0      | 0       | 0          | 0     | 0    | 0              | 0                        | -  | -            | -  |
| DIF-200  | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | 0  | -            | -  |
| DIF-B100   | 0       | 0        | 0        | 0                       | 0      | 0       | 0          | 0     | 0    | 0              | 0                        | -  | -            | -  |
| DIF-B250   | -       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | 0  | -            | -  |
| <all ca<="" td="" weather=""><td>ase/Wat</td><td>erproof</td><td>Case/W</td><td>/aterpro</td><td>of Cas</td><td>e Weigł</td><td>nt&gt;</td><td>1</td><td>1</td><td>1</td><td></td><td>1</td><td>1</td><td>1</td></all> | ase/Wat | erproof  | Case/W   | /aterpro                | of Cas | e Weigł | nt>        | 1     | 1    | 1              |                          | 1  | 1            | 1  |
| WP-DC300   | -       | · -      | -        | -                       | -      | -       | -          | -     | -    | -              | 0                        | -  | -            | -  |
| WP-DC20  | -       | -        | -        | -                       | -      | -       | -          | 0     | -    | -              | -                        | -  | -            | -  |
| WP-DC40  | -       | -        | -        | -                       | -      | -       | 0          | -     | -    | -              | -                        | -  | -            | -  |
| WP-DC1   | -       | -        | -        | -                       | 0      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| WP-DC11  | -       | -        | O (G7)   | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| WP-DC21  | -       | -        | O (G9)   | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| WP-DC28  | 0       | -        | -        | -                       | -      | -       | -          | -     | -    | -              | -                        | -  | -            | -  |
| WW-DC1   | 0       | -        | 0        | -                       | 0      | -       | 0          | 0     | -    | -              | 0                        | -  | -            | -  |

# 4 Accessory Specifications

# 4-1 New Accessories

# 4-1-1 Waterproof Case WP-DC28

• Specifications

| Maximum Depth   | 40 m (130 ft.) (Meets JIS Protection class 8)  |
|---|--|
| Waterproofing   | Seal, O-ring, etc.   |
| Main Materials (employed materials)   | Polycarbonate (body, etc.), ABS (controls), clear plate glass (lens window), acrylic (diffusion plate), stainless steel (springs, etc.), EPDM <sup>*1</sup> (seal), etc. |
| Controls  | All buttons and controls <ul> <li>Printing operation with the Print/Share button is not available.</li> </ul>  |
| Supplied Accessories  | Neck strap, wrist strap, and silicon grease  |
| Remarks   | Double-paned glass lens window (with anti-reflection coating on both sides), diffusion plate (detachable)  |
| Camera Operating Temperatures   | 0 – 40°C (32 – 104°F)  |
| Dimensions (excluding protrusions)  | 150.0 x 106.3 x 116.6 mm (5.91 x 4.19 x 4.59 in.)  |
| Volume  | Approx. 1105 cm <sup>3</sup> (37.4 fl oz. (US)) <sup>*2</sup>  |
| Weight  | Approx. 460 g (16.2 oz.) (Waterproof Case only <sup>*2</sup> )<br>Approx. 860 g (30.3 oz.) (Waterproof Case <sup>*2</sup> and camera<br>body <sup>*3</sup> )             |
| Number of Separately Sold<br>Waterproof Case Weights (WW-DC1)<br>Recommended for Mounting | 4 weights  |
|   | ¥1   |

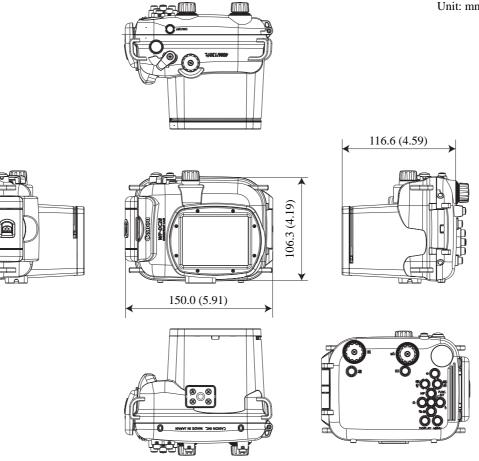
 $^{*1}$  A type of synthetic rubber

\*<sup>2</sup> Including diffusion plate

\*3 Including battery and memory card

• Exterior Photo





тнни

### 4-1-2 AC Adapter Kit ACK-DC50

### • Compact Power Adapter CA-PS700

| Rated Input            | 100 – 240 V AC (50/60 Hz)<br>35 VA (100 V) – 45 VA (240 V)<br>0.38 A (100 V) – 0.2 A (240 V) |
|------------------------|--|
| Rated Output           | DC 7.4 V, 2.0 A  |
| Operating Temperatures | 0 – 40°C (32 – 104°F)  |
| Dimensions             | 112.0 x 29.0 x 45.0 mm (4.41 x 1.14 x 1.77 in.)  |
| Weight                 | Approx. 185 g (6.53 oz.) (excluding power cord)  |

• There is CA-PS700N on the inscription plate.

• DC Coupler DR-50

### 4-1-3 Battery Charger CB-2LZ (Japan/Americas)/CB-2LZE (Europe/Asia/Oceania)

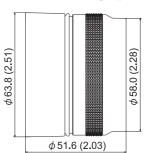
|                        | CB-2LZ  | CB-2LZE  |  |
|------------------------|---|--|--|
| Rated Input            | AC 100 – 240 V (50/60 Hz)<br>14 VA (100 V) – 19.2 VA (240 V), 0.14 A (100 V) – 0.08 A (240 V) |  |  |
| Rated Output           | DC 8.4 V/0.7 A  |  |  |
| Charging Time          | Approx. 2 hours 20 minutes (when charging the NB-7L)  |  |  |
| Charge Indicator       | Charging: Lights orange, Charging complete: Lights green (2-indicator system)                 |  |  |
| Operating Temperatures | 0 – 40°C (32 – 104°F)   |  |  |
| Dimensions             | 92.5 x 27.0 x 62.0 mm (3.64 x 1.06 x 2.44 in.)  |  |  |
| Weight                 | Approx. 92 g (Approx. 3.2 oz.)  | Approx. 85 g (Approx. 3.0 oz.)<br>(excluding the power cord) |  |

### 4-1-4 Battery Pack NB-7L

| Format                 | Lithium-ion rechargeable battery pack             |
|------------------------|---|
| Nominal voltage        | DC 7.4V   |
| Nominal capacity       | 1050 mAh (min.)                                   |
| Charge/discharge times | Approx. 300 times                                 |
| Operating temperature  | 0 – 40°C  |
| Size                   | 32.5 x 45.4 x 17.7 mm<br>(1.28 x 1.79 x 0.70 in.) |
| Weight                 | Approx. 47 g (Approx. 1.7 oz.)                    |

### 4-1-5 Conversion Lens Adapter LA-DC58K

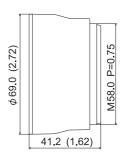
| Camera mount           | Bayonet type                            |
|------------------------|---|
| Thread Diameter        | 58 mm                                   |
| Max. Diameter x Length | φ63.8* x 51.6* mm<br>(φ2.51 x 2.03 in.) |
| Weight                 | Approx. 30 g (1.06 oz.)                 |



### 4-1-6 Tele-converter TC-DC58D

| Magnification   | 1.4x                                    |
|---|---|
| Lens Construction   | 4 elements in 3 groups                  |
| Thread Diameter<br>• Conversion Lens Adapter<br>LA-DC52G is required when<br>attaching. | 58 mm                                   |
| Max. Diameter x Length  | φ69.0* x 41.2* mm<br>(φ2.72 x 1.62 in.) |
| Weight  | Approx. 140g (4.94 oz.)                 |





### 4-1-7 Ring Accessory Kit RAK-DC2

• The exterior view is omitted.

# 4-2 Main Unchanged Accessories

### 4-2-1 AV Cable AVC-DC300

• The exterior view is omitted.

Unit: mm (inch)

# TECHNICAL DESCRIPTION

#### Trademarks:

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# 1. Functions of each unit

#### 1.1 MAIN PCB ASS'Y

- 1) Driving the CCD Sensor.
- 2) Conversion of the image signal from the analog signal to the digital signal.
- 3) Controlling the power supply and the system by DIGIC IV. (Refer to Sections 2.1 and 2.2.)
- 4) Image processing, and reading and writing the image signal to and from the Memory card using DIGIC IV. (Refer to Section 2.2.2.)
- 5) Video signal output to the LCD panel using DIGIC IV.
- 6) Amplification of the video output, microphone input/audio output signals.
- 7) Controlling the optical unit motor.
- 8) Power supply drive (DC/DC converter).
- 9) Battery control circuit.

#### 1.2 JOG DIAL UNIT

- 1) Function Buttons of rear side.
- 2) Control Dial

#### 1.3 TOP COVER UNIT (TOP FPC ASS'Y)

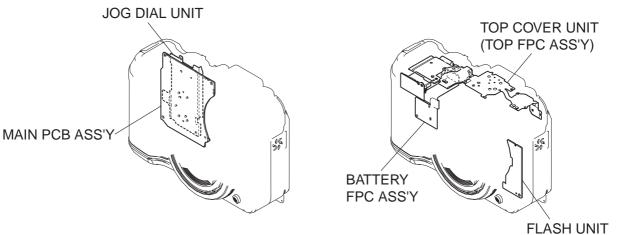
- 1) LED's for Power and Mode and ISO.
- 2) Mode, ISO and Power button and Zoom lever and Exposere Dial and Release lever.

#### 1.4 FLASH UNIT (ST PCB ASS'Y)

- 1) Flash drive and flash condenser charging circuit for the flash.
- 2) Audio Signal Relay.

#### 1.5 BATTERY FPC ASS'Y

1) Fuse



(ST PCB ASS'Y)

Fig. 1 CIRCUIT BOARD LOCATION

# 2. Troubleshooting

### 2.1 When an Error Code is Displayed

[Remedy]

- Check for any abnormalities in the mounting of probable faulty parts or connector connections referring to the table below.
- Try replacing probable faulty parts referring to the below.

#### [NOTE]

- The error code is displayed on the LCD Monitor.
- Adjustments must be performed after the part has been replaced. For details, see the "Adjustments" chapter.

| Error Code | Name                      | Occurrence Conditions   | Cause and Probable Faulty Part |
|------------|---------------------------|---|--------------------------------|
| E01        | AE TIME OUT               | AE processing does not end within the specified time.   | MAIN PCB ASS'Y                 |
| E02        | AF TIME OUT               | AF processing does not end within the   | MAIN PCB ASS'Y                 |
|            |                           | specified time.   | OPTICAL UNIT                   |
|            |                           | The focus lens is not driven.   | MAIN PCB ASS'Y                 |
|            |                           |   | OPTICAL UNIT                   |
| E03        | EF TIME OUT               | Auto Flash Control does not end within the  | MAIN PCB ASS'Y                 |
|            |                           | specified time.   | OPTICAL UNIT                   |
| E04        | AWB TIME OUT              | AWB processing does not end within the specified time.  | MAIN PCB ASS'Y                 |
| E09        | JPEG DMA TIME<br>OUT      | JPEG processing does not end within the specified time.   | MAIN PCB ASS'Y                 |
| E10        | JPEG IC ERROR             | JPEG compression processing does not end within the specified time.   | MAIN PCB ASS'Y                 |
| E14        | UNKNOWN                   | When an error of unknown cause occurs.  | UNKNOWN                        |
| E16        | IMAGING TIME<br>OUT       | When communication between CPU and<br>peripheral IC is not completed within the<br>specified time during recording using EVF or<br>after completion of recording.   | MAIN PCB ASS'Y                 |
| E23        | MEMORY CARD<br>NO SPACE   | When the Memory Card becomes full during<br>writing of photographed images to Memory<br>Card, writing is repeatedly performed with the<br>JPEG compression ratio successively<br>increased to reduce the size of the image file<br>until it can be successfully written to Memory<br>Card. This error occurs when writing of the<br>JPEG image file fails after 10 times. | MAIN PCB ASS'Y                 |
| E24        | POWER ON<br>ERROR         | The power of the imaging circuit on the MAIN PCB ASS'Y is not detected.   | MAIN PCB ASS'Y                 |
| E26        | CAPTURE TIME<br>OUT       | Writing of the photographed image to SDRAM does not end within the specified time.  | MAIN PCB ASS'Y                 |
| E27        | MEMORY WRITE<br>TIME OVER | Data from the buffer was not written to the memory card within the specified time.  | MEMORY CARD                    |
| E32        | ISError                   | When IS-CPU or DIGIC does not work<br>correctly. (Breakdown of hardware<br>(communication line))  | MAIN PCB ASS'Y                 |
| E41        | USB Error                 | Communication between DIGIC and USB<br>communication IC failed.<br>(Target: Models after DIGIC IV.)   | MAIN PCB ASS'Y                 |
| E52        | QUICK REVIEW<br>ERROR     | Review of the photographed image failed.  | MAIN PCB ASS'Y                 |

## 2.2 When a Problem Occurs

[Remedy]

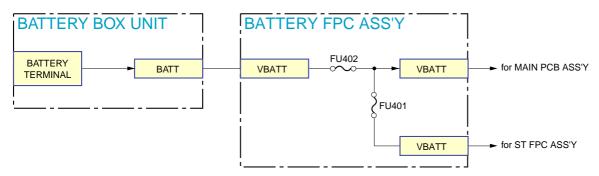
- Check for any abnormalities in the mounting of probable faulty parts or connector connections referring to the table below.
- Try replacing probable faulty parts referring to the table below.

#### [NOTE]

• Adjustments must be performed after the part has been replaced. For details, see the "Adjustments" chapter.

| Problem (when an error code is not displayed)              | Defect position   | Reference       |
|--|-------------------|-----------------|
| The camera does not work.                                  | MAIN PCB ASS'Y    |                 |
|  | TOP COVER UNIT    |                 |
|  | BATTERY FPC ASS'Y | FU402 (BATTERY) |
| The image is not displayed on the LCD Monitor.             | MAIN PCB ASS'Y    |                 |
|  | LCD UNIT          |                 |
| The photograph image is abnormal.                          | OPTICAL UNIT      |                 |
|  | MAIN PCB ASS'Y    |                 |
| The zoom does not function.                                | OPTICAL UNIT      |                 |
|  | MAIN PCB ASS'Y    |                 |
|  | TOP COVER UNIT    |                 |
| The Built-in Flash does not fire.                          | FLASH UNIT        |                 |
|  | MAIN PCB ASS'Y    |                 |
|  | BATTERY FPC ASS'Y | FU401 (FLASH)   |
| Video output is strange.                                   | MAIN PCB ASS'Y    |                 |
| Communications with the personal computer is not possible. | MAIN PCB ASS'Y    |                 |
| The Memory card is not recognized.                         | Memory CARD       |                 |
|  | MAIN PCB ASS'Y    |                 |
| Buttons/The Mode dial do not work.                         | JOG DIAL UNIT     |                 |
|  | TOP COVER UNIT    |                 |
|  | MAIN PCB ASS'Y    |                 |

#### 2.3 FUSE 2.3.1 DIAGRAM

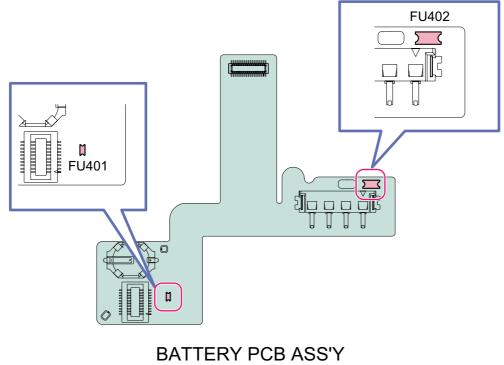


This product uses two fuses.

## 2.3.2 List of Fuses

| FUSE  | PARTS NO.    | Mounted board     | Remarks                   |
|-------|--------------|-------------------|---------------------------|
| FU401 | VD7-2241-251 | BATTERY FPC ASS'Y | Fuse for Flash Line       |
| FU402 | VD7-3962-001 | BATTERY FPC ASS'Y | Fuse for the battery Line |

## 2.3.3 Position of the Fuse



(Primary Side)

# DISASSEMBLY

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#### For CA, USA only

Included lithium battery contains Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.



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# 1. Before Starting the Repair Work

Be sure to read the following precautions before starting the repair work.

#### 1.1 Precautions on Flash High Voltage Circuit

- When separating the FRONT ST CHASSIS. be sure to discharge the MAIN CAPACITOR.
- \* Discharging resistor: 1 k $\Omega$ , approx. 5 W. (See Fig.1)

#### **CAUTION:**

Because this is a high-voltage circuit, be careful to avoid electric shock and short-circuits with other components.

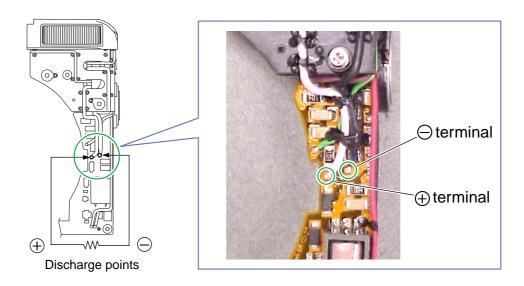


Fig. 1 Precautions on Flash High Voltage Circuit

#### 1.2 List of Tools

The following tools are used for re-assembling during service.

(1) List of tools

|--|

Screwdriver (Commercially Available) Tweezers (Commercially Available)

#### 1.3 List of Supplies

The following supplies are used for re-assembling during service.

| New | Name of supplies         | Part No.     | Remarks   |
|-----|--------------------------|--------------|---|
|     | DIABOND No.1663G BLACK   | CY9-8129-000 | Bond (200ml)  |
|     | THREE BOND 1401C         | CY9-8011-000 | 200g  |
|     | ADHESIVE TAPE SONY T4000 | CY4-6012-000 | Double-sided Tape   |
|     |                          |              | $(0.15 \text{mm} \times 6 \text{mm} \times 50 \text{m roll})$ |

## 1.4 Connectors for FPC Board

This product uses six types of connectors for the FPC board.

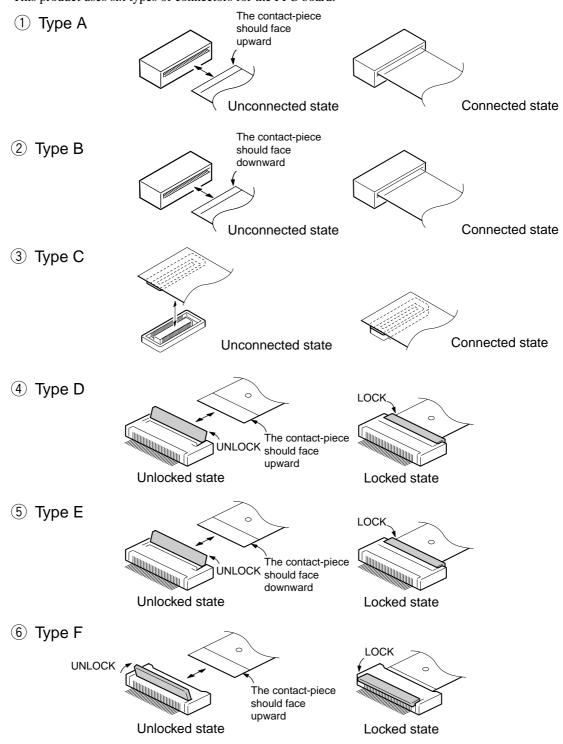


Fig. 2 Connectors for FPC board

#### **CAUTIONS:**

- 1. For Type D, Type E and Type F connectors, make sure to set them to the unlocked state before removing and inserting FPC board. After FPC board is inserted, set them to the locked state.
- 2. The FPC board is equipped with holes as shown. Use them for removal and insertion by inserting the tweezers into them as required.

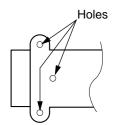
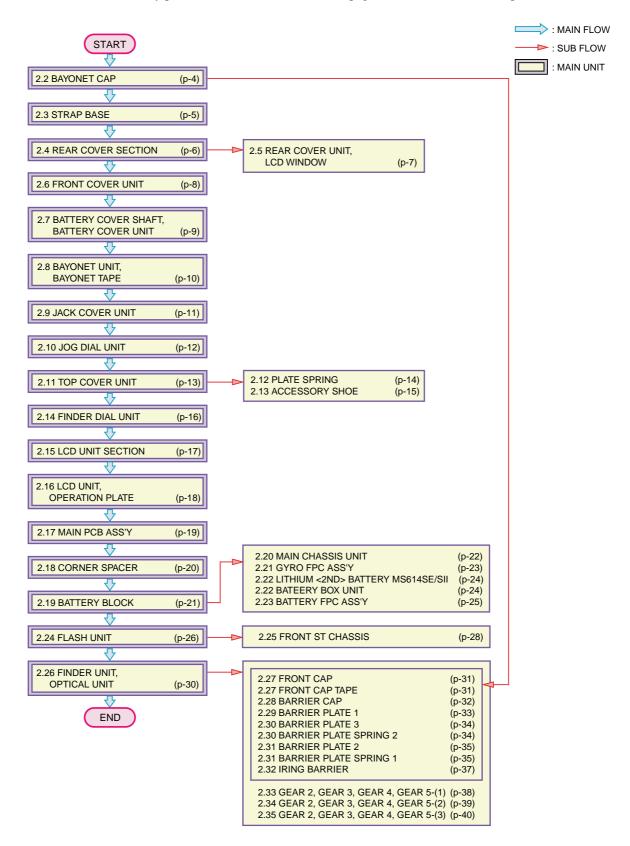


Fig. 3 Holes for removal

# 2. Disassembly

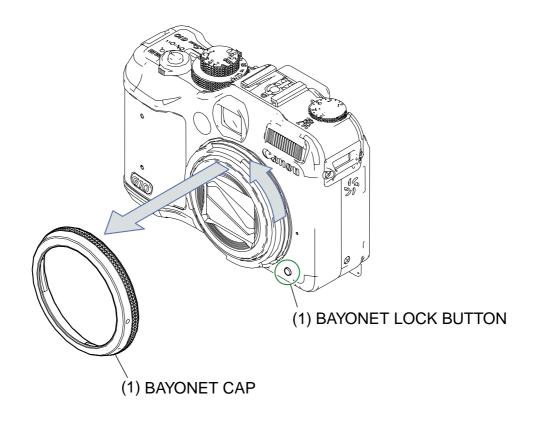
#### 2.1 Procedure

The following flowchart shows the disassembly procedure for PowerShot G10. Reverse the disassembly procedure to reassemble it. \* The pages to refer to are shown in parentheses ( ).



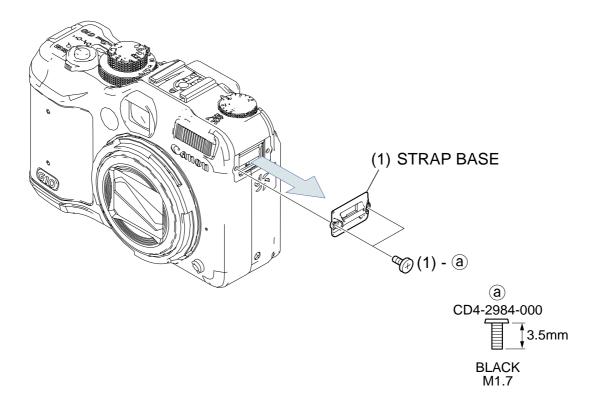
## 2.2 BAYONET CAP

(1) Rotate the BAYONET CAP in the direction of the arrow while pressing the BAYONET LOCK BUTTON, and then remove it.



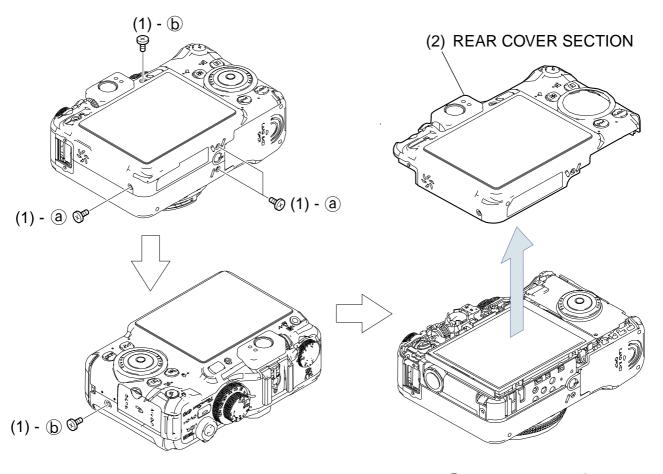
#### 2.3 STRAP BASE

(1) Remove two screws ( $(a) \times 2$ ) and remove the STRAP BASE.



## 2.4 REAR COVER SECTION

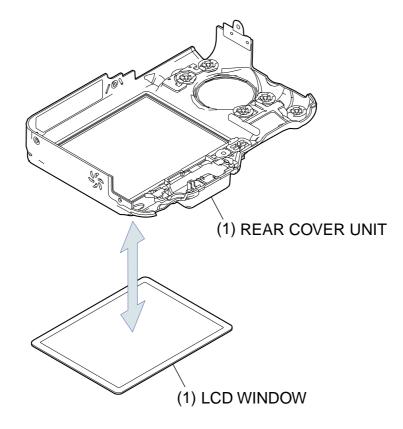
- (1) Remove five screws ( $(a) \times 3$ ,  $(b) \times 2$ ).
- (2) Remove the REAR COVER SECTION.





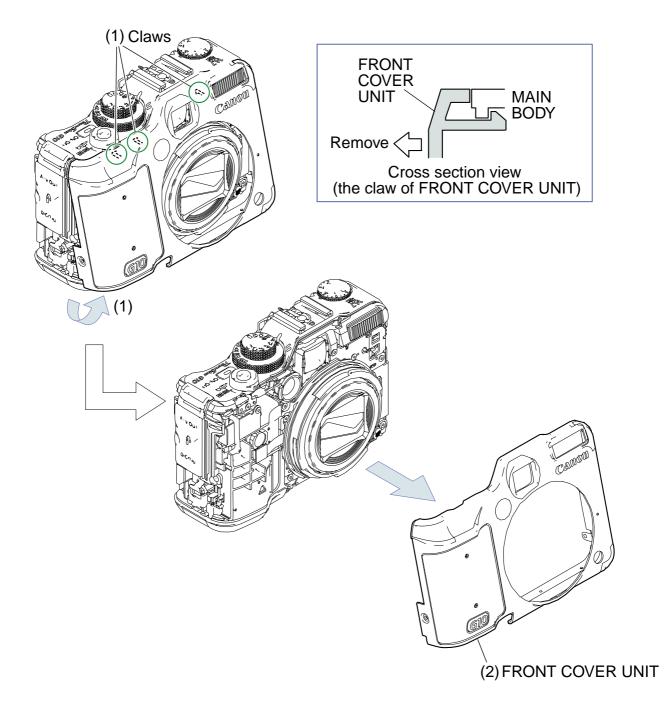
## 2.5 REAR COVER UNIT, LCD WINDOW

(1) Separate the LCD WINDOW from the REAR COVER UNIT.



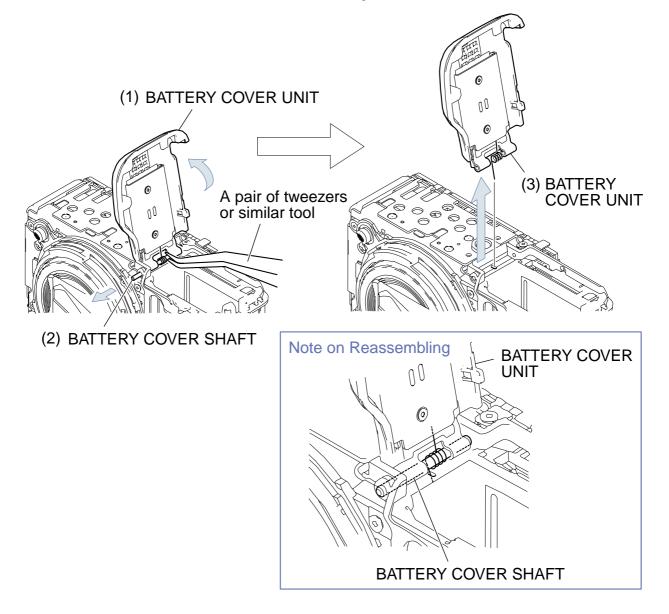
## 2.6 FRONT COVER UNIT

- (1) Raise the bottom of the FRONT COVER UNIT, and remove the three claws.
- (2) Remove the FRONT COVER UNIT.



## 2.7 BATTERY COVER SHAFT, BATTERY COVER UNIT

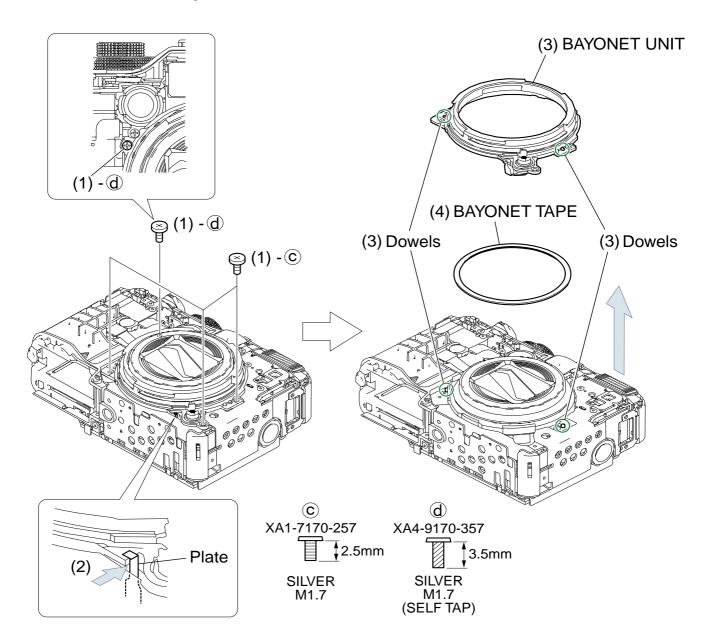
- (1) Open the BATTERY COVER UNIT.
- (2) Using a pair of tweezers or similar tool, remove the BATTERY COVER SHAFT in the direction of the arrow.
- (3) Remove the BATTERY COVER UNIT.
   <<u>Note on Reassembling</u>>
   Install the BATTERY COVER UNIT as shown in the figure.



### 2.8 BAYONET UNIT, BAYONET TAPE

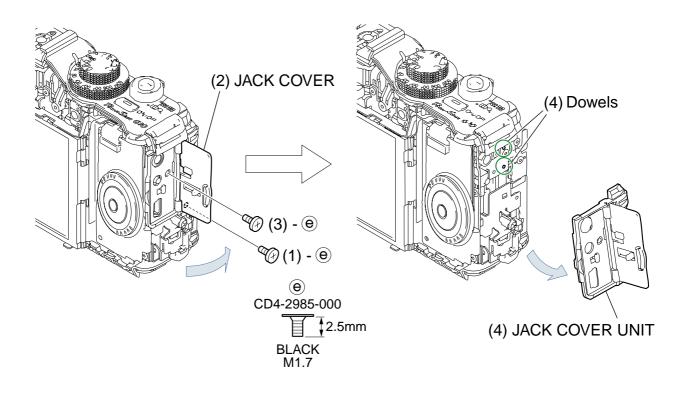
- (1) Remove four screws ( $\bigcirc \times 3$ ,  $\bigcirc \times 1$ ).
- (2) Push the plate in the direction of the arrow.
- (3) Disengage the two dowels, and remove the BAYONET UNIT.
- (4) Remove the BAYONET TAPE.
  - <Note on Disassembling>

Be careful not to drop the BAYONET TAPE.



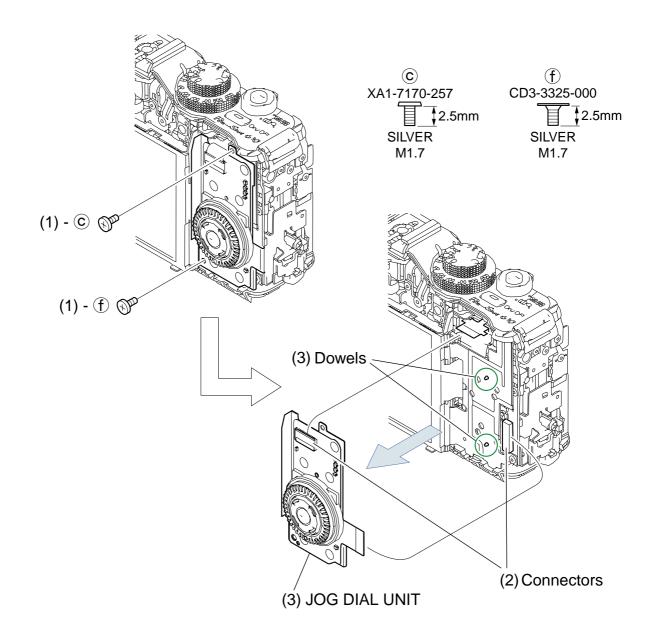
### 2.9 JACK COVER UNIT

- (1) Remove the screw ( $\Theta \times 1$ ).
- (2) Open the JACK COVER.
- (3) Remove the screw ( $\Theta \times 1$ ).
- (4) Disengage two dowels, and remove the JACK COVER UNIT in the direction of the arrow.



#### 2.10 JOG DIAL UNIT

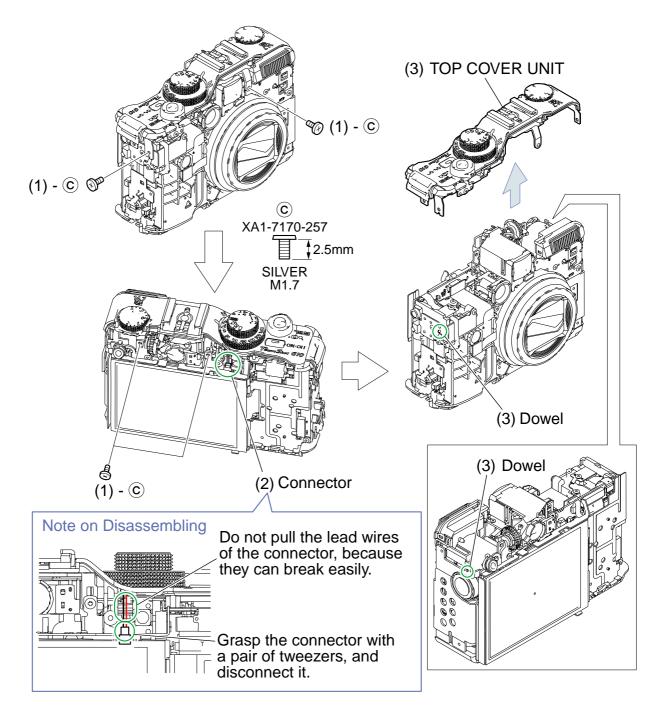
- (1) Remove two screws ( $\bigcirc \times 1$ ,  $\bigcirc \times 1$ ).
- (2) Disengage the two connectors.
- (3) Disengage the two dowels, and remove the JOG DIAL UNIT.



#### 2.11 TOP COVER UNIT

- (1) Remove four screws ( $\bigcirc \times 4$ ).
- (2) Disconnect the connector.
- (3) Disengage the two dowels, and remove the TOP COVER UNIT.
   <Note on Disassembling>

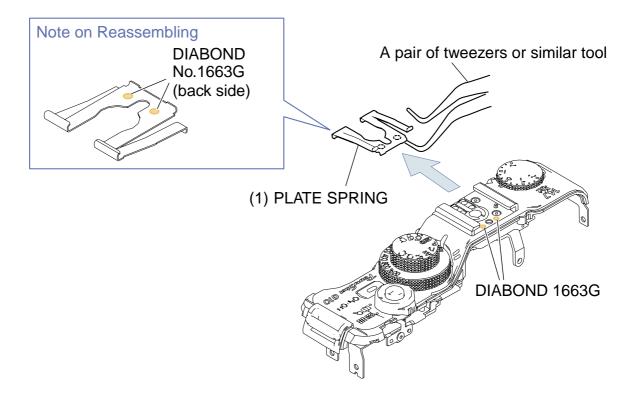
Do not pull the lead wires of the connector, because they can break easily. Grasp the connector with a pair of tweezers, and disconnect it.



### 2.12 PLATE SPRING

(1) Using a pair of tweezers or similar tool, remove the PLATE SPRING.

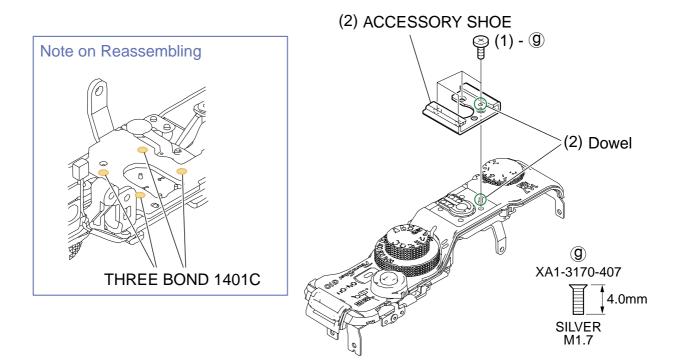
<Note on Disassembling> The DIABOND is applied on the PLATE SPRING. Moistening those areas with ethyl alcohol helps to remove the PLATE SPRING. <Note on Reassembling> Apply the DIABOND No.1663G to the positions shown in the figure.



#### 2.13 ACCESSORY SHOE

- (1) Remove four screws (( $\mathfrak{g}$ ) × 4).
- (2) Disengage the dowel, and remove the ACCESSORY SHOE.
   <a href="https://www.secarety.com/secarety.com/">Note on Reassembling></a>
   After tightening the secarety (@ × 4) apply the THREE ROND 1401C to positions of the secarety.

After tightening the screws ( $(\hat{g}) \times 4$ ), apply the THREE BOND 1401C to positions shown in the figure.



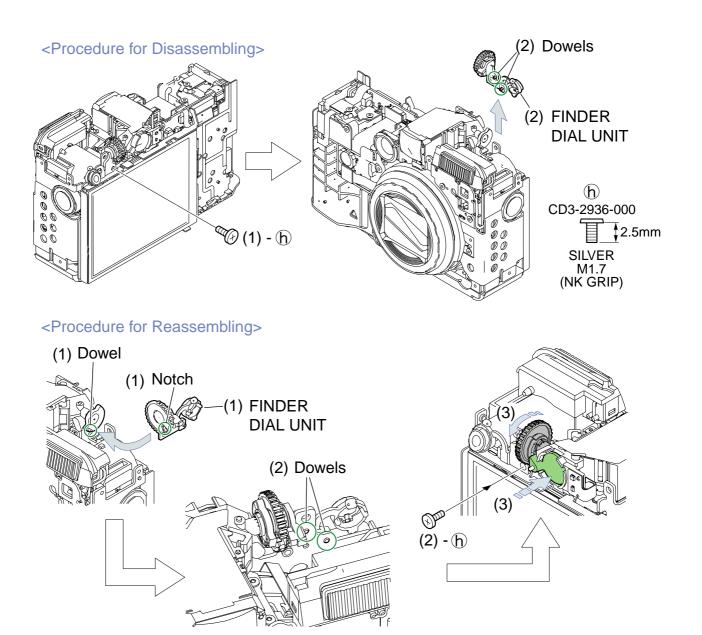
#### 2.14 FINDER DIAL UNIT

(Procedure for Disassembling)

- (1) Remove the screw ( $(h) \times 1$ ).
- (2) Disengage the two dowels, and remove the FINDER DIAL UNIT.

(Procedure for Reassembling)

- (1) Set the dial position of the FINDER DIAL UNIT by aligning the dowel with the notch.
- (2) Engage two dowels and check each dowel is in the correct position. And after that, tighten the screw ( $(h \times 1)$ ).
- (3) Check that the operations are performed correctly by rotating the dial.



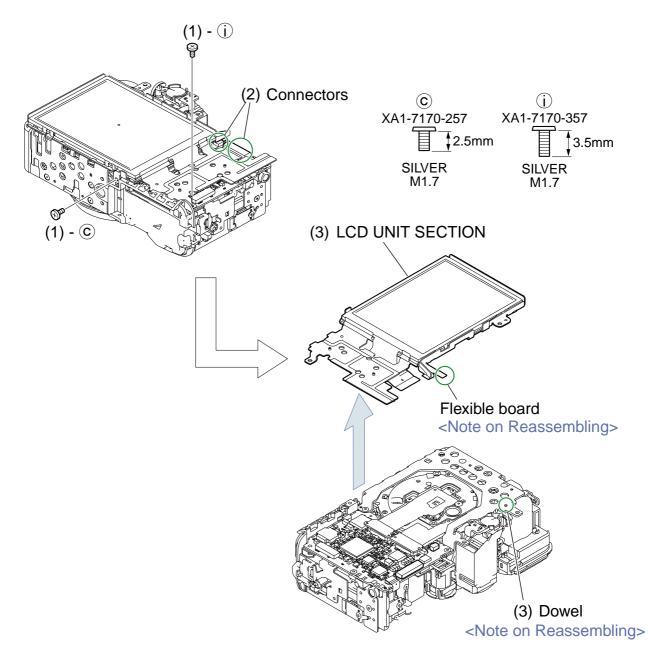
#### 2.15 LCD UNIT SECTION

- (1) Remove two screws ( $\bigcirc \times 1$ , ( $i \times 1$ ).
- (2) Disconnect the two connectors.
- (3) Disengage the dowel, and remove the LCD UNIT SECTION.<Note on Reassembling>

Be careful not to forget to engage the dowel.

Make sure to handle the flexible board with a pair of tweezers only at the area circled in the diagram, because it is thin and easy to damage.

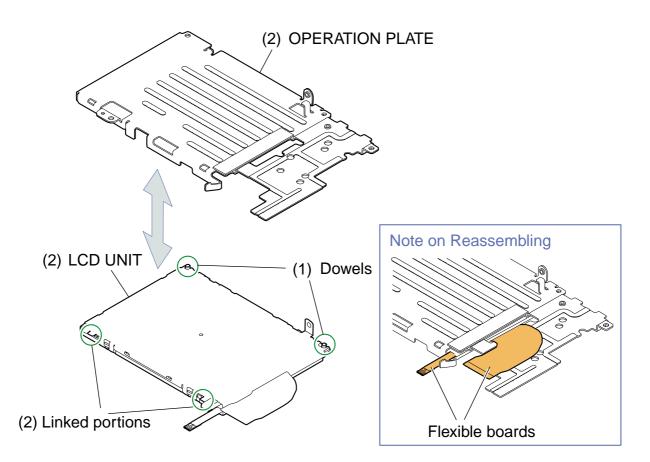
After connecting the flexible board, be sure that it is inserted firmly into the connector.



### 2.16 LCD UNIT, OPERATION PLATE

- (1) Disengage the two dowels.
- (2) Undo the two linked portions, and separate the LCD UNIT from the OPERATION PLATE. <<u>Note on Reassembling</u>>

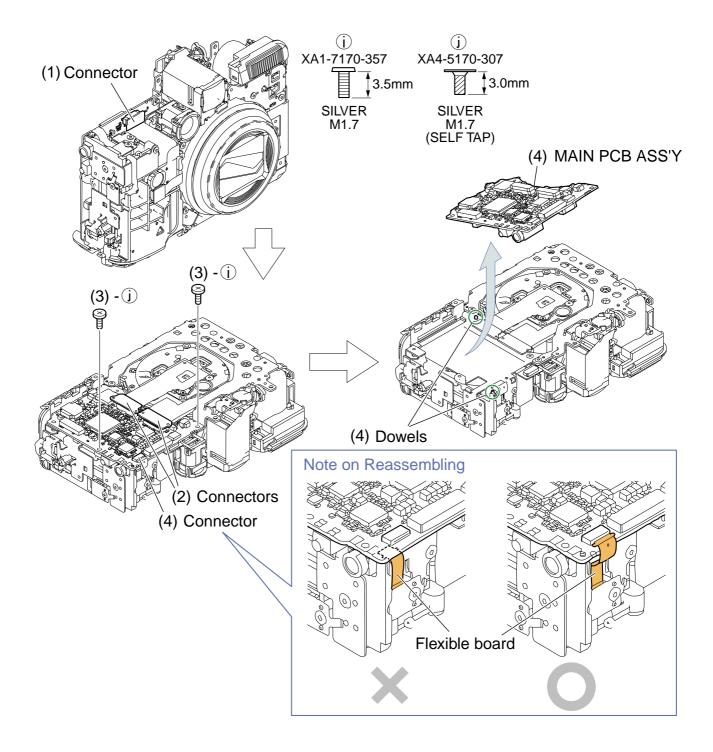
Route the flexible board as shown in the figure.



#### 2.17 MAIN PCB ASS'Y

- (1) Disconnect the connector.
- (2) Disconnect the two connectors.
- (3) Remove two screws ((j)  $\times 1$ , (j)  $\times 1$ ).
- (4) Disengage the two dowels, and disconnect the connector. Then remove the MAIN PCB ASS'Y. <<u>Note on Reassembling</u>>

Be careful not to catch the flexible board under the MAIN PCB ASS'Y.

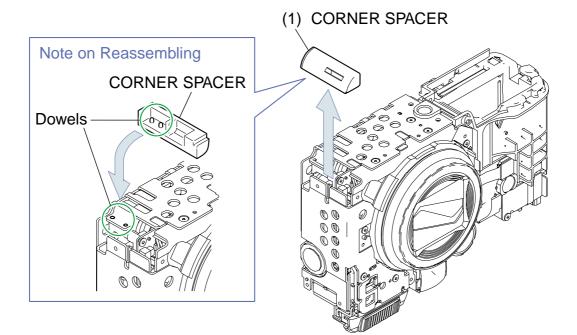


#### 2.18 CORNER SPACER

## (1) Remove the CORNER SPACER.

<Note on Reassembling>

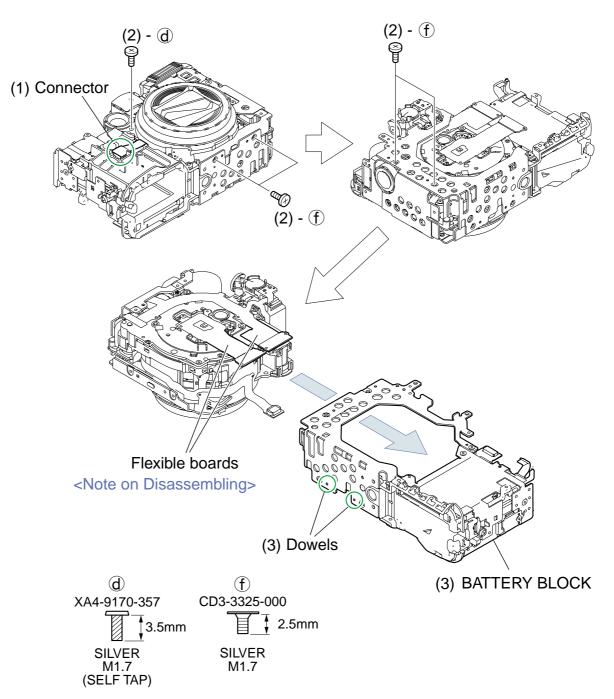
Align two dowels and install the CORNER SPACER.



#### 2.19 BATTERY BLOCK

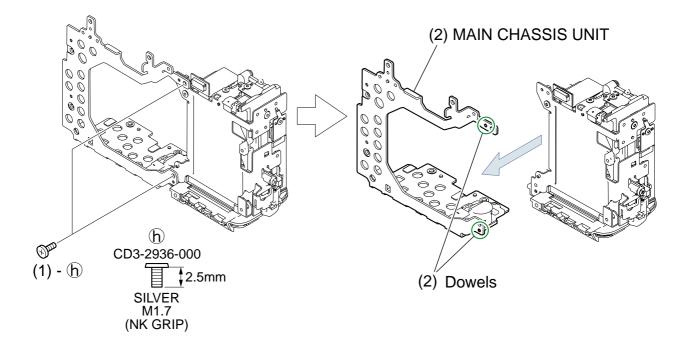
- (1) Disconnect the connector.
- (2) Remove five screws ( $\textcircled{d} \times 1, \textcircled{f} \times 4$ ).
- (3) Disengage the two dowels, and remove the BATTERY BLOCK.<Note on Disassembling>

Be careful not to get caught on the flexible boards.



#### 2.20 MAIN CHASSIS UNIT

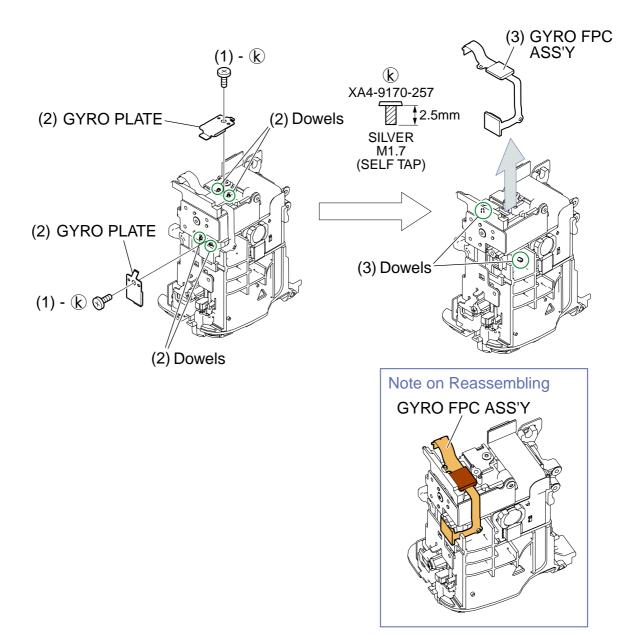
- (1) Remove two screws ( $(h) \times 2$ ).
- (2) Disengage the two dowels, and remove the MAIN CHASSIS UNIT.



#### 2.21 GYRO FPC ASS'Y

- (1) Remove two screws ( $(\mathbf{k} \times 2)$ ).
- (2) Disengage the four dowels, and remove the two GYRO PLATEs.
- (3) Disengage the two dowels, and remove the GYRO FPC ASS'Y.
   <<u>Note on Reassembling</u>>

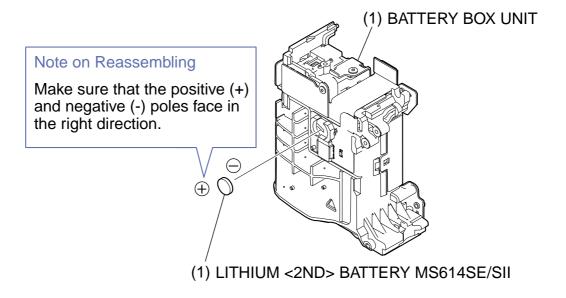
Install the GYRO FPC ASS'Y as shown in the figure.



#### 2.22 LITHIUM <2ND> BATTERY MS614SE/SII, BATTERY BOX UNIT

(1) Separate the LITHIUM <2ND> BATTERY MS614SE/SII from the BATTERY BOX UNIT. <Note on Reassembling>

Make sure that the positive (+) and negative (-) poles face in the right direction.

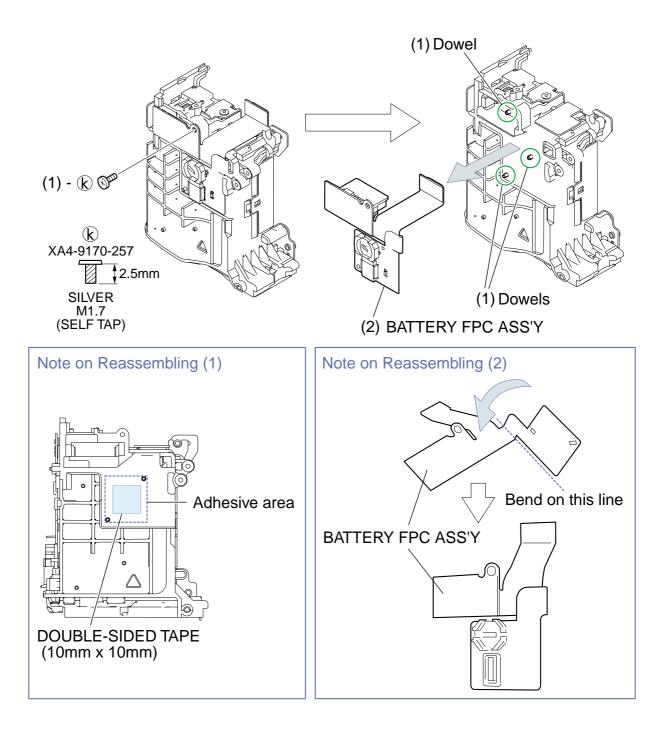


### 2.23 BATTERY FPC ASS'Y

- (1) Remove the screw ( $(\mathbf{k} \times 1)$ ).
- (2) Disengage the three dowels, and peel off the BATTERY FPC ASS'Y.
  - <Note on Disassembling>

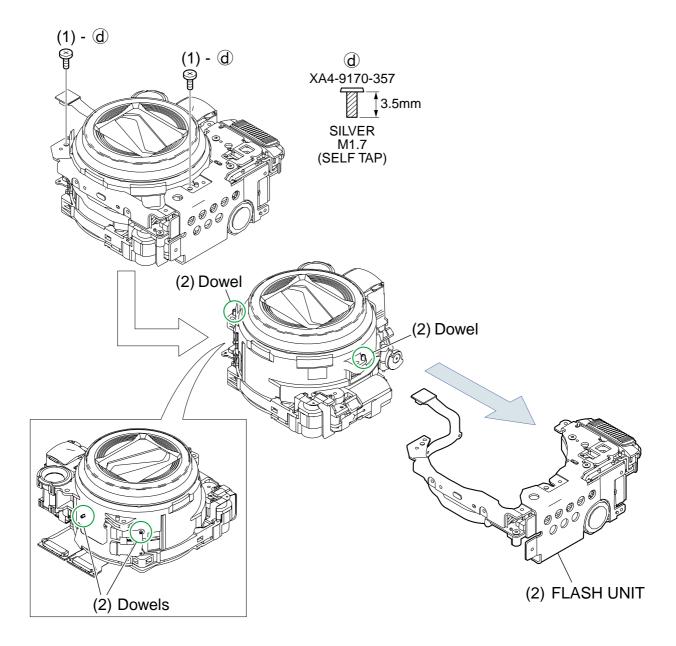
The adhesion of the DOUBLE-SIDED TAPE used to attach the BATTERY FPC ASS'Y is very strong. Therefore, when peeling the BATTERY FPC ASS'Y, do it very carefully so that the flexible board is not ripped. <Note on Reassembling>

- (1) Attach the DOUBLE-SIDED TAPE ( $10mm \times 10mm$ ) to the position shown in the figure.
- (2) Fold the BATTERY FPC ASS'Y and attach it as shown in the figure.



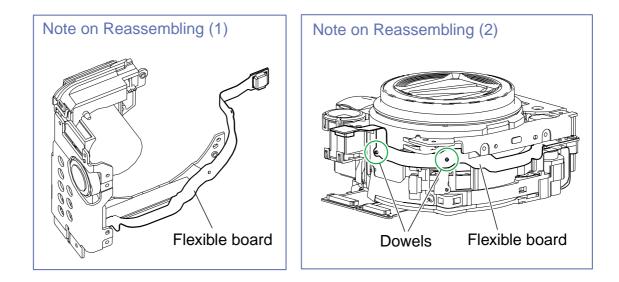
### 2.24 FLASH UNIT

- (1) Remove two screws ( $\textcircled{d} \times 2$ ).
- (2) Disengage the four dowels, and remove the FLASH UNIT.



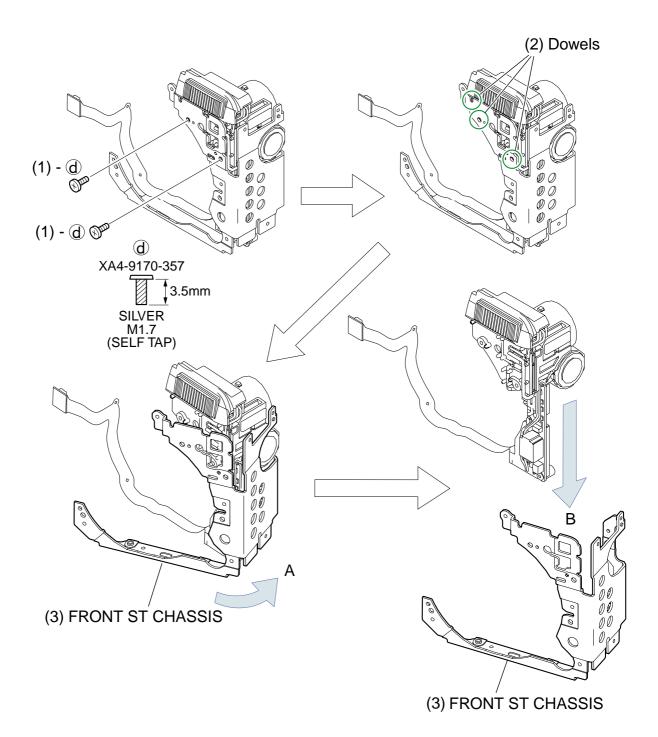
#### <Note on Reassembling>

- (1) Be careful not to cut the flexible board.
- (2) Engage the two dowels, and install the flexible board as shown in the figure.



### 2.25 FRONT ST CHASSIS

- (1) Remove two screws ( $(\underline{d}) \times 2$ ).
- (2) Disengage the three dowels.
- (3) Rotate the FRONT ST CHASSIS in the direction of the arrow A, and remove it in the direction of the arrow B.

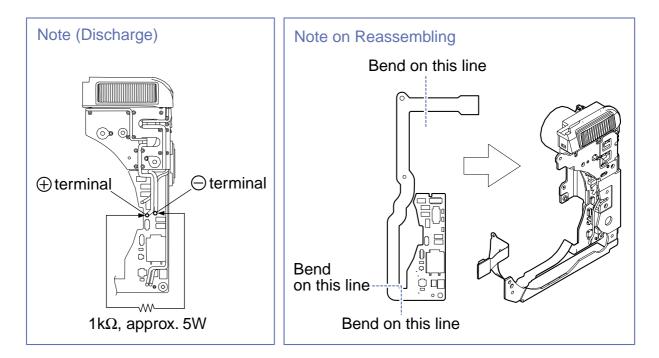


Note: After separating the FRONT ST CHASSIS, discharge the MAIN CAPACITOR.

(Because this is a high-voltage circuit, be careful to avoid electric shock and short-circuits with other components.)

<Note on Reassembling>

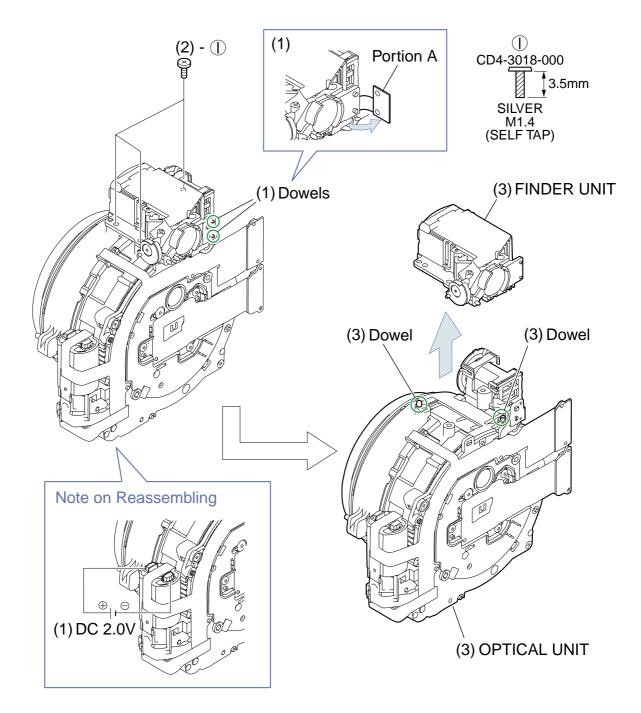
Fold the flexible board and install it as shown in the figure.



### 2.26 FINDER UNIT, OPTICAL UNIT

- (1) Disengage the two dowels, and remove the portion A.
- (2) Remove three screws (()  $\times$  3).
- (3) Disengage the two dowels, and separate the FINDER UNIT from the OPTICAL UNIT. <<u>Note on Reassembling</u>>

Apply voltage (DC 2.0V) across the motor terminal to drive the motor until the motor stops and the barrel goes back to the retracted position, and then install the FINDER UNIT to the OPTICAL UNIT.



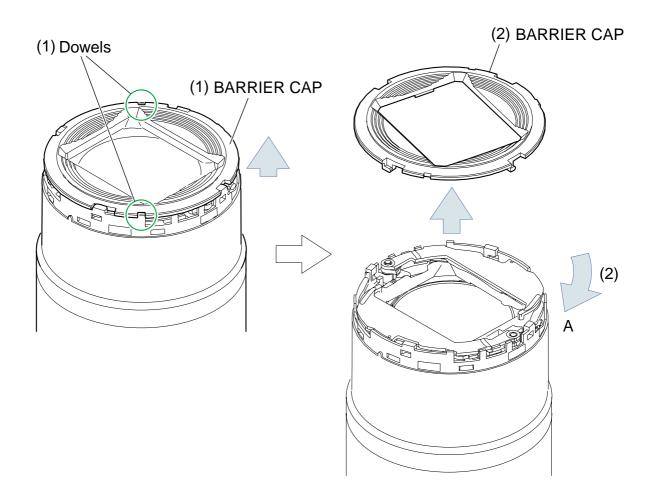
## 2.27 FRONT CAP, FRONT CAP TAPE

- (1) Apply the voltage (DC 2.0V) across the motor terminal to drive the motor until the motor stops and the barrel comes fully out.
- (2) Remove the FRONT CAP which is attached to the FRONT CAP TAPE.
   <Note on Disassembling>
   Apply ethyl alcohol to the position shown in the figure, and remove the FRONT CAP with a pair of tweezers.
   <Note on Reassembling>
   Install the FRONT CAP so that the position-setting dowels can be aligned as shown in the figure.

Note on Disassembling (2) FRONT CAP A pair of tweezers (2) FRONT CAP TAPE Ethyl alcohol Position setting dowel (1) ⊖\_⊕ (1) DC 2.0V

### 2.28 BARRIER CAP

- (1) Disengage the two dowels one by one, and raise the BARRIER CAP.
- (2) Rotate the BARRIER CAP in the direction of the arrow A, and remove it.



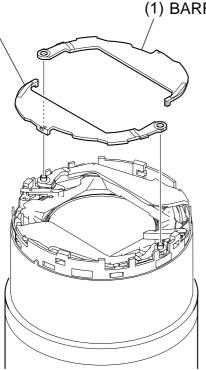
### 2.29 BARRIER PLATE 1

#### (1) Remove the BARRIER PLATE 1 (2 pieces).

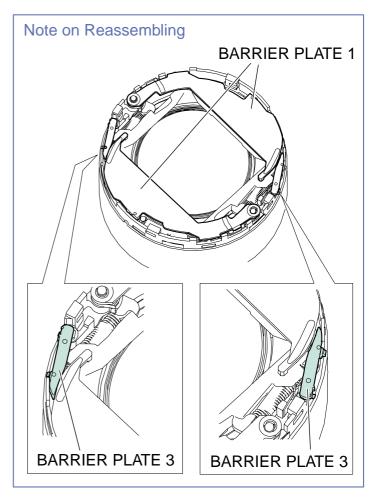
#### <Note on Reassembling>

Install the BARRIER PLATE 1 (2 pieces) so that the BARRIER PLATE 3 (2 pieces) is aligned with the positions shown in the figure.

#### (1) BARRIER PLATE 1



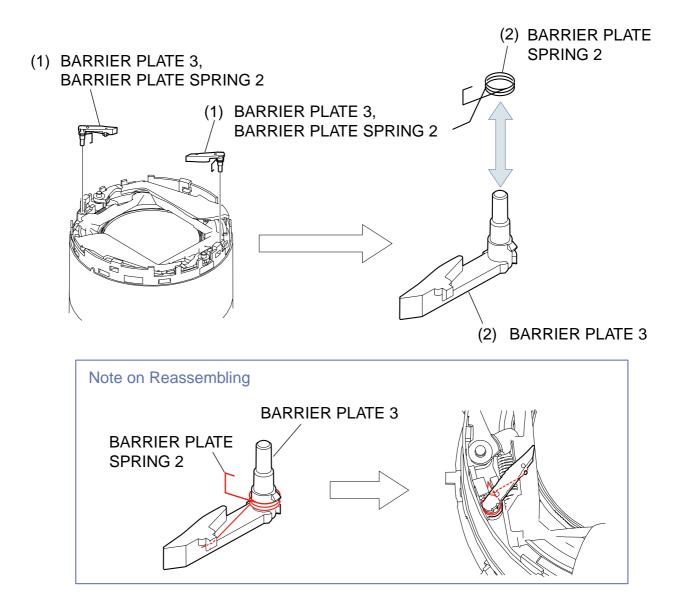
#### (1) BARRIER PLATE 1



## 2.30 BARRIER PLATE 3, BARRIER PLATE SPRING 2

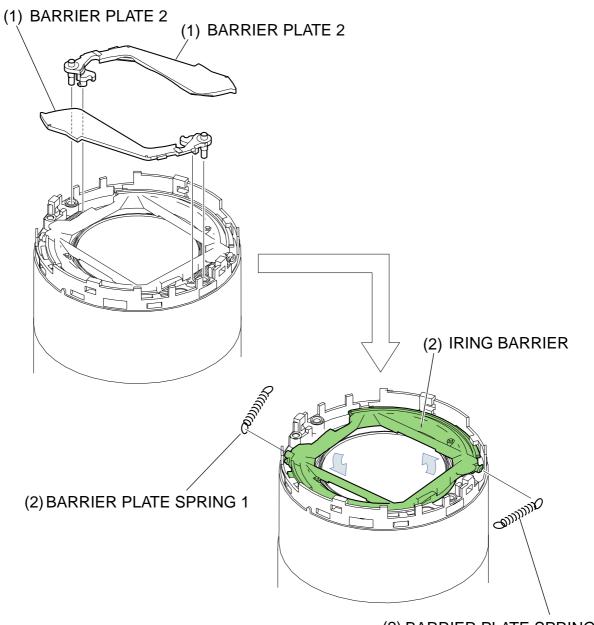
- (1) Remove the BARRIER PLATE 3 and BARRIER PLATE SPRING 2 together as an assembled unit.
- (2) Separate the BARRIER PLATE SPRING 2 from the BARRIER PLATE 3.
   <<u>Note on Reassembling></u>
   Install be PARRIER PLATE 3 and PARRIER PLATE SPRING 2 as shown in the figure.

Install he BARRIER PLATE 3 and BARRIER PLATE SPRING 2 as shown in the figure.



## 2.31 BARRIER PLATE 2, BARRIER PLATE SPRING 1

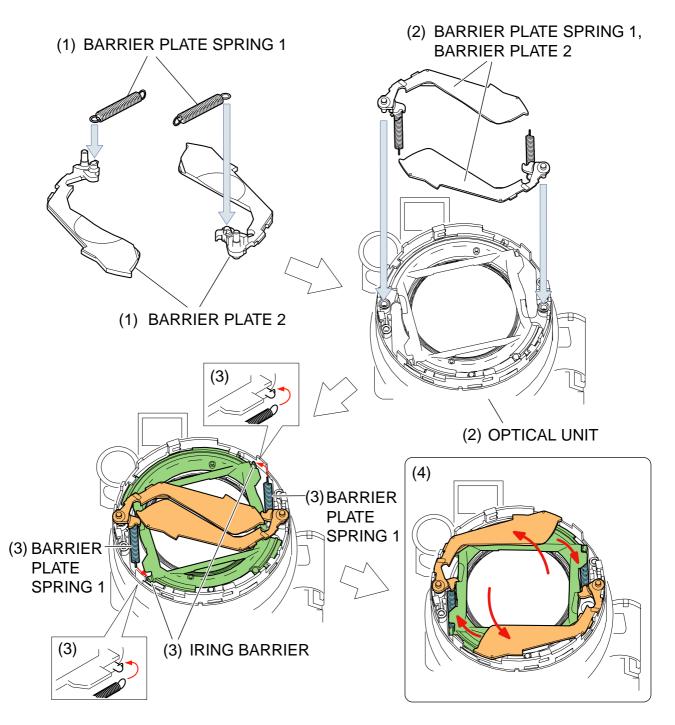
- ① Procedure for Disassembling
  - (1) Remove the BARRIER PLATE 2 (2 pieces).
  - (2) Rotate the IRING BARRIER in the direction of the arrow slightly and remove the BARRIER PLATE SPRING 1 (2 pieces).



<sup>(2)</sup> BARRIER PLATE SPRING 1

#### (2) Procedure for Reassembling

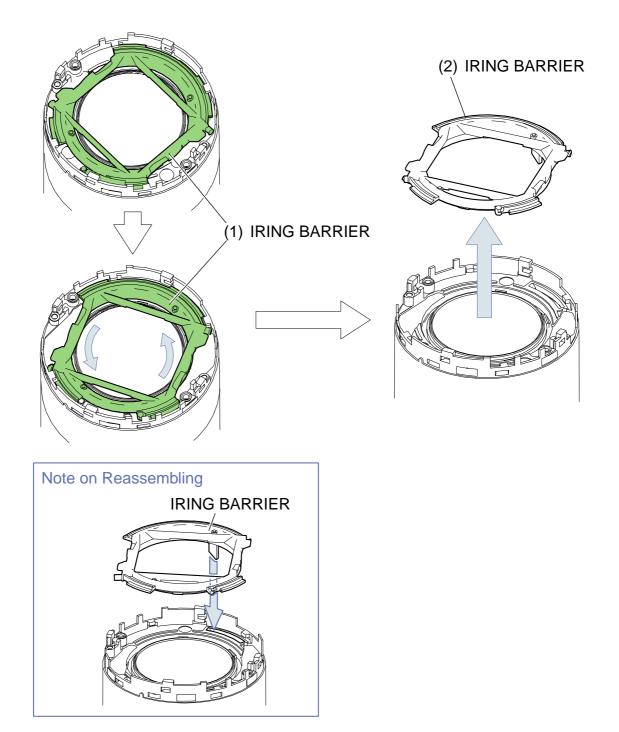
- (1) Install the BARRIER PLATE SPRING 1 to the BARRIER PLATE 2.
- (2) Install the BARRIER PLATE SPRING 1 and BARRIER PLATE 2 together as an assembled unit to the OPTICAL UNIT.
- (3) Hook the other side of the BARRIER PLATE SPRING 1 to the projection of the IRING BARRIER.
- (4) Confirm that each part can slide as shown in the figure.



### 2.32 IRING BARRIER

- (1) Rotate the IRING BARRIER in the direction of the arrow.
- (2) Remove the IRING BARRIER.
  - <Note on Reassembling>

Install the IRING BARRIER as shown in the figure.

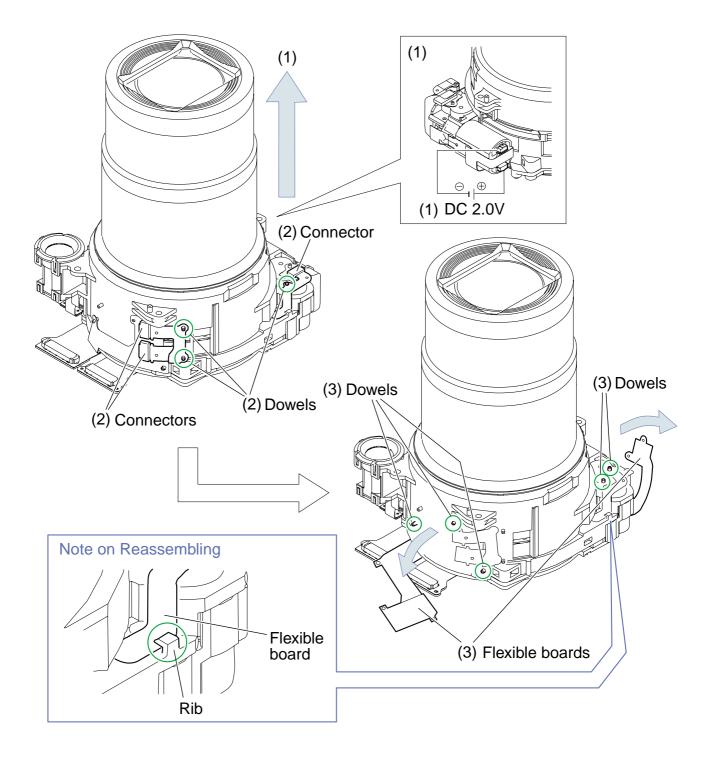


## 2.33 GEAR 2, GEAR 3, GEAR 4, GEAR 5 - (1)

- (1) Apply the voltage (DC2.0V) across the motor terminal to drive the motor until the motor stops and the barrel comes fully out.
- (2) Disengage the three dowels, and disconnect the three connectors.
- (3) Disengage the five dowels, and remove the flexible boards.

<Note on Reassembling>

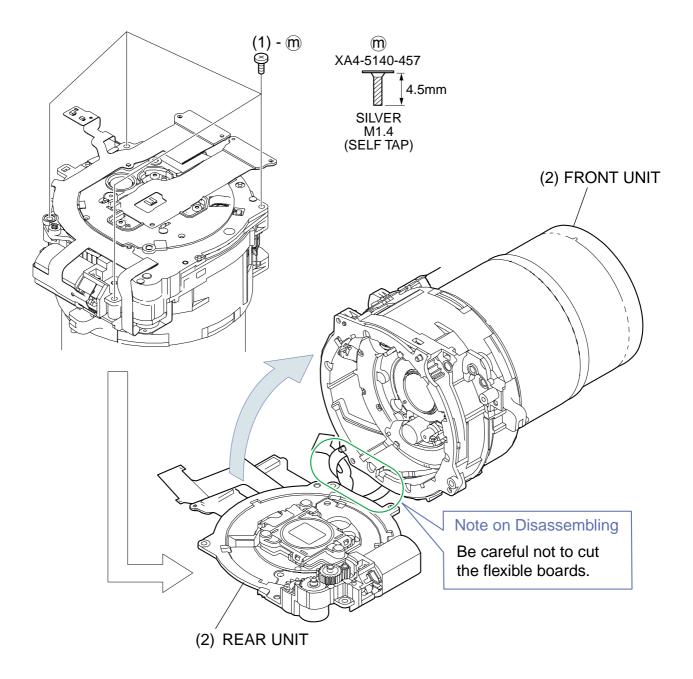
Pass the flexible board inside the rib as shown in the figure.



### 2.34 GEAR 2, GEAR 3, GEAR 4, GEAR 5 - (2)

- (1) Remove four screws ( $\widehat{\mathbf{m}} \times 4$ ).
- (2) Separate the FRONT UNIT from the REAR UNIT. <Note on Disassembling>

Be careful not to cut the flexible boards.



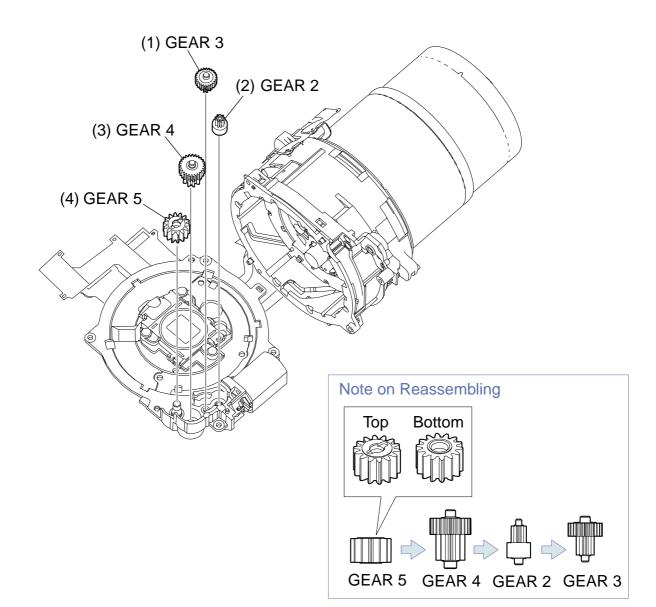
### 2.35 GEAR 2, GEAR 3, GEAR 4, GEAR 5-(3)

- (1) Remove GEAR 3.
- (2) Remove GEAR 2.
- (3) Remove GEAR 4.
- (4) Remove GEAR 5.

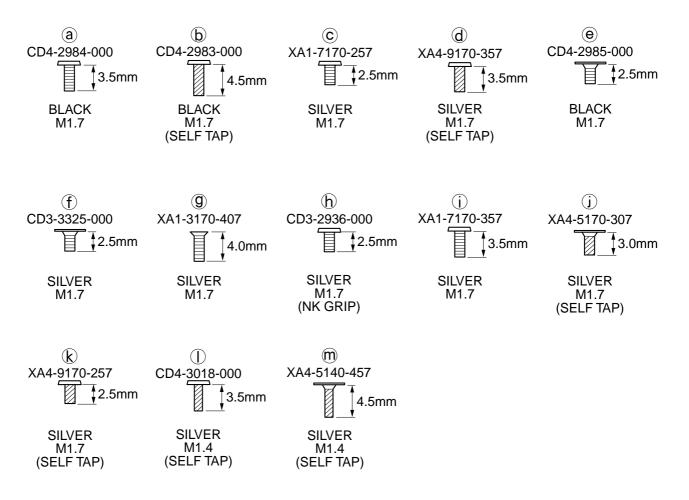
#### <Note on Reassembling>

When assembling, install GEAR 5, GEAR 4, GEAR 2 and GEAR 3 in that order.

The four GEARs constitute a set of GEARs. When replacing the GEAR, replace all of the four GEARs as a set.



### 2.36 Screw List



# ADJUSTMENT

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## **1. Replacement Parts and Adjustment Items**

PowerShot G10 requires electrical adjustments when certain parts are replaced. The table below indicates the adjustments required for the respective part replacements. For all other parts not listed below, no electrical adjustments are necessary after replacement.

| Adjustment Items Replacement Part |    | Optical Unit<br>Adjustment | CCD<br>Adjustment | Pixel Dot<br>Adjustment | Shading<br>Adjustment | Imaging<br>Process<br>Adjustment | Color<br>Adjustment | LCD<br>Adjustment | Flash<br>Adjustment |
|-----------------------------------|----|----------------------------|-------------------|-------------------------|-----------------------|----------------------------------|---------------------|-------------------|---------------------|
| OPTICAL UNIT                      | #1 | #2                         | #3                | #4                      | #5                    | #6                               | #7                  |                   | #8                  |
| FLASH UNIT                        |    |                            |                   |                         |                       |                                  |                     |                   | $\bullet$           |
| MAIN PCB ASS'Y                    | 0  | 0                          |                   | 0                       | 0                     | 0                                | 0                   | 0                 | $\bigcirc$          |
| LCD UNIT                          |    |                            |                   |                         |                       |                                  |                     | •                 |                     |

: Adjustment is necessary after replacement.

Adjustment is necessary after replacement.
 (Adjustment is not necessary, only if the adjustment data has been saved and then transferred after the part is replaced.)

Blank: Adjustment is unnecessary.

\*When OPTICAL UNIT is replaced, adjust certainly at the procedure as below.

#1. IS 1 Adjustment

- #2. Optical Unit Adjustment
- #3. CCD Adjustment  $\downarrow$
- #4. Pixel Dot Adjustment
- ↓ #5. Shading Adjustment
- #6. Imaging Process Adjustment
- #7. Color Adjustment
- #8. Flash Adjustment  $\downarrow$

# 2. Adjustment Tools

The following tools are required for electrical adjustment.

| DESCRIPTION   | PARTS NO.                      | REMARKS  |
|---|--------------------------------|--|
| PC/AT-Compatible Machine<br>(Windows 2000/XP pre-installed Model, USB port) |                                | Local purchase                                       |
| SERVICE MANUAL  | —                              | Download   |
| ADJUSTMENT SOFTWARE   | _                              | Download   |
| DC Security Tool  | _                              | Download (common to all models)                      |
| DC Runtime  | —                              | Download (common to all models)                      |
| Canon DCP Connect   | —                              | Download (common to all models)                      |
| TWAIN Driver 2008 2H  | —                              | Download<br>(common to products launched in 2H 2008) |
| Compact Power Adapter CA-PS700  | _                              | Enclosed in<br>"AC Adapter Kit ACK-DC50"             |
| AC Cable  | —                              | Enclosed in<br>"AC Adapter Kit ACK-DC50"             |
| DC Coupler DR-50  | _                              | Enclosed in<br>"AC Adapter Kit ACK-DC50"             |
| INTERFACE CABLE IFC-400PCU  | —                              | Enclosed in Merchandise                              |
| Brightness Box  | CY9-1566-100/200 <sup>*2</sup> |  |
| COLLIMATER IS AUTO ADJUSTMENT   | CY9-1600-000                   | For 100 - 240V                                       |
| Color Viewer (5500°K)   | CY9-1562-100/200 <sup>*2</sup> |  |
| Color Bar Chart   | DY9-2002-000                   |  |
| 18% Gray Chart  | CY9-1563-000                   |  |
| AF Chart (1)  | CY9-1598-000                   | *3   |
| IS Chart (1)  | —                              | *3   |
| Infinity Collimator   | CY9-1569-100/200 <sup>*2</sup> |  |
| W-10 Filter <sup>*1</sup>   | CY9-1556-000                   |  |
| C-12 Filter   | CY9-1555-000                   |  |
| FL-W Filter   | CY9-1557-000                   |  |
| ND-4 Filter   | CY9-1553-000                   |  |
| Light-Shielding Cloth (500 $\times$ 500 mm or larger)                       | —                              | Local purchase                                       |
| Tripod  | —                              | Local purchase                                       |
| Reference Camera  | —                              | Merchandise  |
| DIGITAL CAMERA SolutionDisk   | _                              | Enclosed in Merchandise                              |

\*1 2pcs. required. \*2 -100 : 100~120V, -200 : 200~240V

\*3 The file containing "How to print out" and Chart for print-out is in folder of the Adjustment Software.

## 3. Before Starting Electrical Adjustments

### 3.1 Removing the Security Lock

Install the DC Security Tool on the PC to remove the security lock.

\* If the security lock is not removed, DC Runtime and adjustment software will not start.

#### 3.2 USB Driver Installation

- Install the USB Driver for Adjustment in the CD-ROM to PC.
- Windows 2000.... TWAIN Driver 2008 2H
- Windows XP..... None

("This Adjustment Software" is impossible when the RS-232C TWAIN driver is used.)

### 3.3 Canon DCP Connect Installation

After downloading and extracting Adjustment Software, double-click Setup.exe (\Canon DCP Connect\Setup.exe) to install it.

### 3.4 DC Runtime Installation

1. After downloading and extracting DC Runtime, double-click Setup.exe to install it.

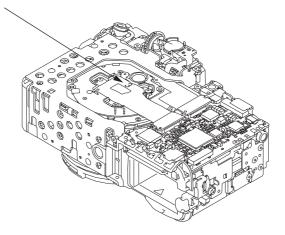
### 3.5 Adjustment Software Installation

- 1. After downloading Adjustment Software, extract it into an arbitrary location.
- \* Do not extract it into a long path (255 characters or more) or into a path containing any character other than the one-byte alphabetical characters.

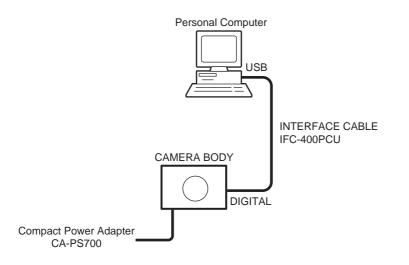
#### 3.6 Preparation

Before starting up the Adjustment Software, follow the preparatory steps below:

- 1. Obtain all the tools necessary for the adjustment.
- 2. For the IS 1 Adjustment jot down the data written on the Optical Unit Flex. You will need it later.



- 3. Connect the Camera to the Power Source with the AC Adapter Kit ACK-DC50 (CA-PS700, AC Cable).
- 4. Set the Replay Mode on the camera.
- 5. Connect the Camera's Digital terminal to the PC's USB Port with INTERFACE CABLE IFC-400PCU.



6. Turn on the camera while pressing the left side of the cross key and the Print/Share button. Note: Perform the preparation in the following order otherwise the camera won't work properly.

#### 3.7 Starting up the Adjustment Software

After completing the preparatory steps, double-click PowerShotG10.exe in the folder where the Adjustment Software is extracted. (The Adjustment Software starts up.)

### 3.8 Menu Window

When you start the adjustment software, the following menu window will appear.

| ssage<br>his adiustment software is exclusive for                           | C Japanese 🖲 English             | Adjustment Menu |
|---|----------------------------------|-----------------|
| nis adjustment soπtware is exclusive for<br>10 not use it for other models. | the Ganon PowerShot GTU .        | IS 1            |
| et the camera to Playback mode,   | and while pressing the left side | OpticalUnit     |
| f the cross key and Print/Share b   | utton, turn on the camera.       | CCD             |
| e sure to change the Model Name ever<br>nanged.                             | y time the MAIN PCB ASS'Y is     | Pixel Dot       |
| Click the [FA] button, then start the a                                     | liustment After the adjustment   | Shading         |
| ick the [USER] button to exit the adjus                                     |                                  | Imaging Process |
|   |                                  | Color           |
|   |                                  | LCD             |
|   |                                  | Flash           |
|   |                                  |                 |

### 3.9 How to Use the Adjustment Software

#### ■ Start-up of Camera Watch

This camera requires Camera Watch for the communication with PC. Start up Camera Watch by selecting Start > Program > Canon Utilities > Camera DCP connect > Camera Watch.

■ Mode change <Mode Change>

This camera uses normally PTP for communication with PC. Because calibration and adjustment become impossible depending on the condition of PTP, select the DCP of the PTP before starting calibration and adjustment.

- "FA" button : This button is used to change the mode from the PTP to the DCP.
- \* Before starting calibration and adjustment, be sure to set the FA mode.
- "USER" button : This button is used to change the mode from the DCP to the PTP.
- \* When calibration and adjustment are completed, be sure to change the mode to the USER mode before quitting the software.
- Model Name Change <Select Model>

Model Name can be changed. Language, Date Style and Video Type are also changed to initial settings that are compatible with Model Name.

<sup>4</sup> Be sure to change Model Name every time MAIN PCB ASS'Y is changed.

#### ■ Select Language

Select either "English" or "Japanese" on top of the Menu Window message to switch over the user interface language. ■ Adjustment Menu/Calibration

- For starting, click the button related with calibration/adjustment.
- \* Whenever you use your light source for the adjustment for the first time, be sure to click the "Calibration" Button.
- Quitting the Adjustment Software
- Click the "Exit" button.
- Camera Data Saving and Loading <Data Transfer>
  - "Save" button : This button saves all adjustment data stored on the camera in text format.
  - "Load" button : This button loads all adjustment data saved in text format to the camera.
- Calibration Data Saving and Loading <Calibration>
  - "Save" button : This button saves the calibration data.
  - "Load" button : This button loads the saved calibration data to the adjustment software and reflects it.

#### Notes

- $\diamond$  When using this adjustment software, the camera needs to be restarted for every adjustment item.
- $\diamond$  If the adjustment fails, a message indicating the failure will appear on each product. If this happens, do the adjustment again.
- ☆ The Adjustment Software is dedicated only to Canon Digital Camera PowerShot G10. Never use it for any other camera.
- ♦ Operating System of PC should be either Windows 2000 or Windows XP. At the same time, a PC should be equipped with the USB terminal.
- \* Operations on the other Operating Systems such as Windows95, 98, Windows Vista and others are not guaranteed.

### 4.1 Calibration

- Tools Used
- Personal Computer
- SERVICE MANUAL
- ADJUSTMENT SOFTWARE
- Brightness Box
   Calar Viewer (5)
- Color Viewer (5500 °K)
- Color Bar Chart
- Compact Power Adapter CA-PS700 W-10 Filter (2pcs.)
- AC Cable

- C-12 Filter
- DC Coupler DR-50
- FL-W Filter
- INTERFACE CABLE IFC-400PCU ND-4 Filter

- Light-Shielding Cloth (500 × 500 or larger)
- Reference Camera

| 1 | Click the "Calibration" button.  | Canon Fourithal (11 Adjustment Menu<br>Canon Adjustment Software<br>BowerShot G10   |
|---|--|---|
|   |  | Adjustment software is exclusive for the " Canon PowerShot G10".<br>Do not use it for other models.<br>Set the camera to Playback mode, and while pressing the left side<br>of the cross kay and Print/Share button, turn on the camera.<br>Be sure to change the Model Name every time the MAIN PCB ASSY is<br>changed.<br>* Click the [PA] button, then start the adjustment. After the adjustment,<br>click the [USER] button to exit the adjustment software.<br>Color<br>LCD<br>Flash  |
|   |  | Mode Change     FA     Save     Calibration     Save     Load     Save     Load     ver 1.00 Copyright (C) 2008 Caron Inc.  |
| 2 | <ol> <li>When the message on the right appears, check<br/>that the reference camera (Merchandise) is<br/>connected to the computer.</li> <li>Click the "OK" button.</li> </ol> | Canon PowerShot G10  Click the [OK] button after connecting the Service Standard Camera for calibration.  OK  |
| 3 | When the message on the right appears, go to 4.  | Count Found 2010 - Caldwarde  Count |
|   |  | CANCEL  |

| 4 | <ol> <li>Set the Filter of the Brightness Box, and place<br/>the camera so that the lens is set against the light<br/>source surface of the Brightness Box.</li> <li>Cover the camera with a light-shielding cloth so<br/>that no light enters the camera except from the<br/>Brightness Box.</li> <li>Set the Brightness Box to the value displayed in<br/>the message.</li> <li>Click the "ADJUST" button.</li> </ol> | Brightness<br>Box<br>CAMERA<br>BODY<br>Power<br>Source<br>Personal<br>Computer Light Shielding Cloth  |
|---|---|---|
| 5 | When the message on the right appears, go to 6.   | Concernment of the output o |
| 6 | <ol> <li>Attach the two W-10 Filters between the Lens<br/>and the Brightness Box. Place the camera so that<br/>the lens is set against the light source surface of</li> </ol>   | Brightness<br>Box   |
|   | <ul> <li>the Brightness Box.</li> <li>Cover the camera with a light-shielding cloth so that no light enters the camera except from the Brightness Box.</li> <li>Set the Brightness Box to the value displayed on the message.</li> <li>Click the "ADJUST" button.</li> </ul>  | Personal<br>Computer<br>Light Shielding Cloth   |

| 8  | <ol> <li>Remove the two W-10 Filters.</li> <li>Attach the C-12 and FL-W Filter between the<br/>Lens and the Brightness Box. Place the camera<br/>so that the lens is set against the light source<br/>surface of the Brightness Box.</li> <li>Cover the camera with a light-shielding cloth so<br/>that no light enters the camera except from the<br/>Brightness Box.</li> <li>Set the Brightness Box to the value displayed on<br/>the message.</li> <li>Click the "ADJUST" button.</li> </ol> | Brightness<br>Box<br>C-12 Filter<br>FL-W Filter<br>CAMERA<br>BODY<br>Power<br>Source<br>Light Shielding Cloth  |
|----|--|--|
| 9  | When the message on the right appears go to 10.  | Canon Yourschut 010 Caldrato Chipman Control Contr |
| 10 | <ol> <li>Attach the Color Bar Chart to the Color Viewer.</li> <li>Remove the C-12 and FL-W Filter.</li> <li>Place the camera so that the Viewing image of<br/>the color bar chart is the full of LCD with the<br/>ND-4 Filter attached.</li> <li>Click the "ADJUST" button.</li> </ol>   | Color Viewer<br>Color Viewer<br>ND-4<br>Filter<br>CAMERA<br>BODY<br>Power<br>Source<br>Source<br>Stand   |
| 11 | <ol> <li>Shift a frame on the displayed screen with a<br/>mouse to choose a color of color bar.</li> <li>Click the "Sampling" button.</li> </ol>   | Coll Instee Vieweyr Reltmans.jpg           Fax(2)           Fax(2)           Instee Vieweyr Reltmans.jpg           Fax(2)           Instee Vieweyr Reltmans.jpg  |

| 12 | Check "Save as the Reference", and click the "OK" button to store the data.                            | Stampline bits mation Rolfmace.jpt         ColorVector         Image: ColorVector   |
|----|--|--|
| 13 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Calibration".) | Children Completed Complet |

# 5. Adjustment Procedure

### 5.1 IS 1 Adjustment 5.1.1 Auto Adjustment

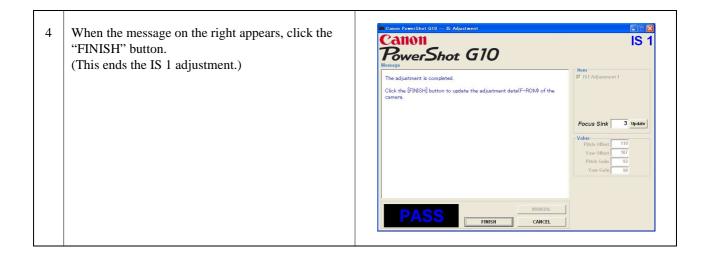
- Tools Used
- Personal Computer
- SERVICE MANUAL

• COLLIMATER IS AUTO ADJUSTMENT

- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable

- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU

| 1 | Click the "IS 1" button.   |  |
|---|--|--|
| 2 | <ol> <li>When the message on the right appears, enter<br/>the value written on the Optical Unit Flex in the<br/>Focus Sink text box, and then click the "Update"<br/>button.</li> <li>After the update is complete, proceed to step 3.</li> </ol>  | Counce Council (201 - 25 Adjustment )         Council Council (201 - 25 Adjustment )         Council (201 - 25 Adjustment )         Council (201 - 25 Adjustment )         Partial (201 - 25 Adjustment )         Price the cause 3 and the 15 Auto Adjustment equipment so that the point of light will be displayed at the center of the LCD window.         Click the [ADJUST] button when ready.         For manual adjustment, click the [DAANUAL] button.         Value (101 - 201 - |
| 3 | <ol> <li>Set the camera so that it faces the lens of the collimator.</li> <li>* The lens attached to the camera moves during the adjustment, so be sure to leave about a distance of 1 cm between the camera lens and the collimator lens.</li> <li>Adjust the height of the camera and the collimator so that the LED point light source is at the center of the camera's LCD.</li> <li>Click the "ADJUST" button.</li> </ol> | Collimeter IS<br>Auto Adjustment<br>CAMERA<br>BODY<br>Power<br>Source<br>Source<br>Stand   |



## 5.1.2 Manual Adjustment

- Tools UsedPersonal Computer
- IS Chart (1) • Tripod
- SERVICE MANUAL
- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU

| 1 | Click the "IS 1" button.  | Canon ForerShot C10 Adjustment Menu       Canon ForerShot G10       Nessaye   |  |  |
|---|---|---|--|--|
|   |   | This adjustment software is exclusive for the "Canon PowerShot G10".<br>Do not use it for other modes:<br>Set the camera to Playback mode, and while pressing the left side<br>of the cross key and Print/Share button, turn on the camera.<br>Be sure to change the Model Name every time the MAIN PCB ASSY is<br>changed.<br>* Click the [FA] button, then start the adjustment. After the adjustment,<br>click the [USER] button to exit the adjustment software.  | Adjustneet Heau<br>IS 1<br>IS 2<br>Opticalthait<br>CCD<br>Pixel Dot<br>Shading<br>Imaging Process<br>Color<br>Color<br>LCD<br>Flash  |  |
|   |   | Data Transfer     Calibration     Calibration     Calibration     Save     Calibration     Save     Load     yo   | r 1.00 Copyright (C) 2008 Canon Inc.   |  |
| 2 | When the message on the right appears, click the "MANUAL" button.   | Cancel Reversible (20 - 25 Adjustment<br>Cancel Construction of the Adjustment | Is 1 Item Is 1 Adjustment 1 Focus Sink 3 Update Pitch Offser 107 Pitch Gain 92 Yaw Gain 99   |  |
|   |   | ADJUST CANCEL   |  |  |
| 3 | <ol> <li>When the message on the right appears, enter<br/>the value written on the Optical Unit Flex in the<br/>Focus Sink text box, and then click the "Update"<br/>button.</li> <li>After the update is complete, proceed to step 4.</li> </ol> | Enter the Focus Sink data written on the flexible cable of the Optical Unit<br>in the text box on the right.  | IS 1<br>IS 1 |  |

| 4 | <ol> <li>Set the IS Chart (1) 177.3cm away from the<br/>front of the camera finder. Adjust the position of<br/>the camera so that the center of the IS Chart (1)<br/>is displayed in the center of the LCD.</li> <li>Click the "ADJUST" button.</li> </ol> | IS Chart (1)<br>177.3cm<br>Power<br>Source<br>CAMERA<br>BODY<br>Tripod   |
|---|--|--|
| 5 | Check if the chart appears in the center on the PC monitor and there is no problem, click the "ADJUST" button.   | DSampling bitornation Edmage.gog HollOffee1A   |
| 6 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Is Chart (1)<br>Is Chart (1)<br>Mark the center point on the CAUUST Mark the center point on the CAUUST Mark the Center point on the CAUUST Mark the Center point on the CAUUST Of the Cauust the CAUUST Of the Caust the CAUUST Of the Caust the CAUUST Of (0) Cancel (0) |
| 7 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | IsSempline Information Lineace pp HallOffsetA  Message  Mark the center point on the  chart and then click the  [ADUUST] button  The mouse hutton and  draging the mouse to ealert a  rectangular area.  Value  Value  Information  () Cancel (c)                          |

| 8  | <ul> <li>If the center of the chart is roughly in the middle of the 2 markings, click the "OK" button.</li> <li>Otherwise, change the value of "Pitch Offset", click the "ADJUST" button and redo the adjustment.</li> <li>* This step sets the tentative offset value in order to perform the Pitch Gain adjustment.</li> </ul> | IsSumpling Information Islamace gg HoldOffeetA         Change the Prich Officet value until the control of the Chart come roughly to the middle of the 2 markings.         Olick the [DK] button.         Value         Pich Officet 100 dt  |
|----|--|--|
| 9  | When the message on the right appears, click the "ADJUST" button.  | Comm Forent/Shot G10 - 15: Adjustment         Common Shot G10         Is 1         Status         Is 3         Is 4         Vavo/first is done.         Click the [ADJUST] button.         Click the [ADJUST] button.         Is 1 Adjustment 3         For 6 and 20         Value   |
| 10 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Lisbampling Information Listange jpg HolD/HotEI         Methods         Mark the center point on the chart, and then click the fact. And then click the fact. This marking can be redore any number of times a section of the display by holding down the location and or display the nouse to select a rectangular area.         Value       This marking can be redore any number of times better and benefiting down the location and or display by holding down the location and or display the nouse better and the nouse to select a rectangular area.         Value       The marking can be redore any number of times better and the nouse be   |
| 11 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Estimation — Linear of Identity Identit |

| 12 | <ul> <li>If the center of the chart is roughly in the middle of the 2 markings, click the "OK" button.</li> <li>Otherwise, change the value of "Yaw Offset", click the "ADJUST" button and redo the adjustment.</li> <li>* This step sets the tentative offset value in order to perform the Yaw Gain adjustment.</li> </ul> | Missage         Ajust the Yaw Offset 107 ±   |
|----|--|--|
| 13 | When the message on the right appears, click the "ADJUST" button.  | Image: Stand G10 IS Adjustment         Cannon PowerShot G10         Is 1         ProverShot G10         Image: Stand G10  |
| 14 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | IsSampling Information — Islange jay HollikainA<br>Message<br>Mark the center point on the<br>then and then click the<br>Chart and then click the<br>Chart and then click the<br>Chart and then click the<br>Chart and then click the<br>Part and then click the<br>Chart and then click the<br>Part and the<br>Part and the click the<br>Part and the click the<br>Part and the<br>Part and the<br>Part and the click the<br>Part and the<br>Part |
| 15 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Schepling biornation Edmace ggr HolDanA  Message  Mark ta center point on the (ADUST) button  This marking can be redore any number of times.  You can also entry as succion to be finance as suc  |

| 16 | If the distance between the 2 markings is 6 scales<br>on the chart, click the "OK" button.<br>Otherwise, change the value of "Pitch Gain" until<br>the distance between the 2 markings becomes 6<br>scales on chart, click the "ADJUST" button and<br>repeat the steps 13 to 15. | EStampling Information Islange jps Holtbank         Adjust the Pitch Gain value<br>until the distance between the<br>2 markings become 6 scales<br>on the chart.         Click the DKD button when<br>finished.   |
|----|--|---|
| 17 | When the message on the right appears, click the "ADJUST" button.  | Image: Second |
| 18 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Libraryling blore actors Library up fidtbant!         Mark the center point on the chart, and then cisk the CAUST blotten         Image: Control of the control   |
| 19 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | LiSempling Information Literate up HoliCondi         Mark the center point on the chart, and then click the (LAUNET) button.         This marking can be redore any number of times a section of the drisplay button.         This marking can be redore any number of times a section of the drisplay button.         This marking can be redore any number of times a section of the drisplay button.         This marking can be redore any number of times button and draging the moust to select a rectangular area.         Value         Value         Value         Value         OK (0)  |

| 20 | If the distance between the 2 markings is 6 scales<br>on the chart, click the "OK" button.<br>Otherwise, change the value of "Yaw Gain" until<br>the distance between the 2 markings becomes 6<br>scales on chart, click the "ADJUST" button and<br>repeat the steps 17 to 19. | USempline bitrom when the parkings becomes 6 scales on t                                       |
|----|--|---|
| 21 | When the message on the right appears, click the "ADJUST" button.  | Cannon       Es Adjustment         Construction       Is 1         Descent       Is 1         Priceboffset is done.       Is 1         Click the [ADJUST] button.       Is 1         PASS       Autro         CANSE       Autro         Canse       Autro         Canse       Autro   |
| 22 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | IsCamplere laternation laterner per HalfOffsetA  Is Chart (1)  Is Chart (1)  In the clark the CAUUST] button  In the clark the CAUUST]  In the clark the CAUUST] |
| 23 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.  | Listampine Information Linnace pp HillOffantA         Mark the canter point on the death then death the death then death the d  |

| 24 | If the center of the chart is roughly in the middle of<br>the 2 markings, click the "OK" button.<br>Otherwise, change the value of "Pitch Offset",<br>click the "ADJUST" button and redo the<br>adjustment. | Abundance in the cart of the c |
|----|---|--|
| 25 | When the message on the right appears, click the "ADJUST" button.   | Owner Proversibil OID 15 Adjustment         Concernment         Concernment         Fish Adjustment 1         Fish Adjustment 2         Fish Adjustment 3  |
| 26 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.   | Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Mark the center point on the clarit, and then click the LADUET         Ware the clarit the click the LADUET         Ware the clarit the click the LADUET         Ware the clarit the click the LADUET         Ware the click the LADUET         Ware the click the LADUET         Ware the click the LADUET  |
| 27 | Mark the center of the chart on the Monitor and<br>click the "ADJUST" button.   | Assume that the second  |

| 28 | If the center of the chart is roughly in the middle of<br>the 2 markings, click the "OK" button.<br>Otherwise, change the value of "Yaw Offset",<br>click the "ADJUST" button and redo the<br>adjustment. | Estampline blor nation Librare for HolDHetB         Adjust the Yaw Offset value of the Chart control of the Chart con |
|----|---|--|
| 29 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the IS 1 adjustment.)  | Construct One 2 bit 010 bit Adjustment         Construct One 2 bit 010 bit 0  |

## 5.2 IS 2 Adjustment

- Tools Used
- Personal Computer
- SERVICE MANUAL
- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU

| 1 | Click the "IS 2" button.   | Canton RemerShot 010 Adustment Menu<br>Canton Adjustment Software<br>PowerShot G10  |
|---|--|---|
|   |  | Message       C Japanese * English         This adjustment software is exclusive for the * Canon PowerShot G10*,<br>Do not use it for other models.       Sature 100 opticalUnit         Set the camera to Playback mode, and while pressing the left side<br>of the cross key and Print/Share button, turn on the camera.       OpticalUnit         Be sure to change the Model Name every time the MAIN PCB ASSY is<br>changed.       * CD         * Clock the [FA] button, then start the adjustment.<br>click the [USER] button to exit the adjustment software.       Color         Holds Change       OpticalTrainsfer<br>Load       Calibration         Mode Change       OpticalTrainsfer<br>Load       Calibration         Wer 100       Copyright (/) 2008 Camen Inc. |
| 2 | When the message on the right appears, click the "ADJUST" button.  | Im Conson PowerShott G10 IS2: Adjustment         Canton         Piessage         Please put the camera on a level place in normal position.   |
|   |  | Click the [ADJUST] button   |
|   |  | ADJUST CANCEL   |
| 3 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the IS 2 adjustment.) | It Commen Reversibilit (10 152 Adjustment ISS)  |
|   |  | PASS FINISH CANCEL  |

### 5.3 Optical Unit Adjustment

- Tools Used • Personal Computer
- AF Chart (1)
- SERVICE MANUAL
- Infinity Collimator • Tripod
- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable

3

- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU 1 Click the "Optical Unit" button. Canon PowerShot G10 This adjustment software is exclusive for the "Canon PowerShot G10". Do not use it for other models. Set the camera to Playback mode, and while pressing the left side of the cross key and Print/Share button, turn on the camera. Be sure to change the Model Name every time the MAIN PCB ASS'Y is changed. \* Click the [FA] button, then start the adjustment. After the adjustment, click the [USER] button to exit the adjustment software.
- 2 When the message on the right appears, click the "ADJUST" button.
- Mode Change Data Transfer Calibration Calibration Save Load USER Load
  - Canon **Optical Unit** PowerShot G10 em Zoom Adjustment AF Adjustment 1 AF Adjustment 2 Zoom is adjusted. Click the [ADJUST] buttor

ADJUST

CANCEL

•

Exit

**Adjustment Software** 

ment Menu

IS 1 IS 2

> OpticalUni CCD

Pixel Dot Shading

Imaging Process Color LCD Flash ----[ Select Model ]---

ver 1.00 Copyright (C) 2008 Canon Inc

🔿 Japanese 👎 English

When the message on the right appears, go to 4. Canon **Optical Unit** PowerShot G10 Place the camera at the collimator. AF Adjustment 1 AF Adjustment 2 Set the position so that the center of chart is displayed in the middle of LCD. Click the [ADJUST] button ADJUST CANCEL

| 4 | <ol> <li>Place the camera at the infinity collimator.</li> <li>Adjust the position of the camera finely so that<br/>the center of the chart is aligned with the center<br/>of the LCD screen.</li> <li>Click the "ADJUST" button.</li> </ol>   | Infinity<br>Collimator<br>CAMERA<br>BODY<br>Power<br>Source   |
|---|--|---|
| 5 | When the message on the right appears, go to 6.  | Commerceded 010 - Optical linit Adjustment         Commerceded 010 - Optical linit Adjustment         Commerceded 010 - Optical linit Adjustment         Decision         Newsys         Set the AFC Chart(1)[CYP-1589-000] at the position of 38.2 cm from the find of the finds/         Commerceded 010 - Optical linit Adjustment         Click the AFC Chart(1)[CYP-1589-000] at the position of 38.2 cm from the field of the finds/         Click the [ADJUST] button  |
| 6 | <ol> <li>Set the AF Chart (1) (CY9-1598-000) at 38.2cm away<br/>from the front of the camera finder.</li> <li>* Set the AF Chart (1) (CY9-1598-000) on a<br/>plain color wall or equivalent.</li> <li>* Adjust the light so that the brightness of the<br/>chart will be about EV9.0. The ray of the<br/>light should come in at a narrow angle as<br/>seen from the chart.</li> <li>Adjust the position of the camera finely so that<br/>the center of the chart is aligned with the center<br/>of the LCD screen.</li> <li>Click the "ADJUST" button.</li> </ol> | AF Chart (1)<br>About 15 Lighting<br>degrees<br>38.2cm<br>Power<br>Source<br>CAMERA<br>BODY<br>Personal<br>Computer   |
| 7 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Optical Unit" Adjustment.)   | Commercial 2019 — Optical Unit Adjustment Commercial C |

#### 5.4 CCD Adjustment

- Tools UsedPersonal Computer
- Brightness Box
- SERVICE MANUAL
- Light-Shielding Cloth
- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU

| 1 | Click the "CCD" button.  | Control Contr |
|---|--|---|
| 2 | When the message on the right appears, go to 3.  | FA       Save       Calibration         USER       Load       Save       Load       wr 100       Copyright (C) 2008       Canon Inc.  |
| 3 | <ol> <li>Set the filter of the Brightness Box and place the camera so that lens is set against the light source surface of the Brightness Box.</li> <li>Cover the camera with a light-Shielding Cloth so that no light enters the camera except from the Brightness Box.</li> <li>Set the Brightness Box to the value displayed on the message.</li> <li>Click the "ADJUST" button.</li> <li>* When the adjustment does not work, click the "Default" button.</li> </ol> | Image: Carrier of the second state       Brightness       Box       CAMERA       BODY       Personal       Computer       Light Shielding Cloth   |

| 4 | <ol> <li>When the message on the right appears, Set the<br/>Brightness Box to the value displayed on the<br/>message.</li> <li>Click the "ADJUST" button.</li> </ol> | I Compon. Foreir School: G10 GCD: Adjustment       CCD         CCD       CCD         Message       Network         Set the Brightness Box to EVI1.00, while setting the filter.       Procent Adjustment 1            |
|---|--|---|
|   |  | Click the [ADJUST] button   |
|   |  |   |
| 5 | 1. When the message on the right appears, Set the Brightness Box to the value displayed on the message.  | Canon Fourier Shot G10 GCD Adjustment   |
|   | 2. Click the "ADJUST" button.  | Set the Brightness Box to EV12.00, while setting the filter.  Fr CCD Adjustment 1  Fr CCD Adjustment 2  C CD Adjustment 3  C CD Adjustment 4  C CD Adjustment 5  C CD Adjustment 6                                    |
|   |  |   |
| 6 | 1. When the message on the right appears, Set the Brightness Box to the value displayed on the message.  | Carlon PowerShot (11) CCD Adjustment.   |
|   | 2. Click the "ADJUST" button.  | Set the Brightness Box to EV13.00, while setting the filter.  Click the [ADJUST] button  Click the [ADJUST] button  COD Adjustment 3  COD Adjustment 5  COD Adjustment 6  |
|   |  |   |
| 7 | 1. When the message on the right appears, Set the Brightness Box to the value displayed on the   | Canon PowerShot (11) CCD Adjustment CCD<br>Canon PowerShot G10<br>Message   |
|   |  | message   |
|   | message.<br>2. Click the "ADJUST" button.  | Set the Brightness Box to EV13.50, while setting the filter.  F CCD Adjustment 1 F CCD Adjustment 2 F CCD Adjustment 3 F CCD Adjustment 4 F CCD Adjustment 4 F CCD Adjustment 5 C CCD Adjustment 5 F CCD Adjustment 6 |

| 8  | When the message on the right appears, go to 9.   | Control Control (10) ODD Adjustment)         Control Control (10) ODD Adjustment)         Newsey         Index the camera completely.         Click the [ADJUST] button.             COD Adjustment 1         CoD Adjustment 2         CoD Adjustment 5         COD Adjustment 6  |
|----|---|---|
| 9  | <ol> <li>Cover the camera with the Light-Shielding<br/>Cloth so that the no light reasons the CCD.</li> <li>Click the "ADJUST" button.</li> </ol> | Light Shielding Cloth<br>Personal<br>Computer   |
| 10 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "CCD" Adjustment.)   | CONSISTENT (2007 - COD Adjustment)  CONSISTENT  CONSI |

### 5.5 Pixel Dot Adjustment

- Tools Used
- Personal Computer
- Brightness Box
- SERVICE MANUAL
- Light-Shielding Cloth
- ADJUSTMENT SOFTWARECompact Power Adapter CA-PS700
- Compact Power Adapter CA
- AC Cable
- DC Coupler DR-50INTERFACE CABLE IFC-400PCU
- Click the "Pixel Dot" button. 1 Canon **Adjustment Software** PowerShot G10 Japanese 🎯 English This adjustment software is exclusive for the " Canon PowerShot G10 IS 1 **IS 2** Set the camera to Playback mode, and while pressing the left side of the cross key and Print/Share button, turn on the camera. OpticalUnit CCD Be sure to change the Model Name every time the MAIN PCB ASS'Y is Pixel Dot Shading \* Click the [FA] button, then start the adjustment. After the adjustment click the [USER] button to exit the adjustment software. aging Proc Color LCD Flash -Mode Change Data Transfe Save Calibration Exit USER Load Save Load 00 Copyright (C) 2008 Canon 2 When the message on the right appears, go to 3. Canon **Pixel Dot** PowerShot G10 ce the camera to the Brightness Box Black Dot Adjustmen White Dot Adjustmen \* In this adjustment, the temperature inside the Set the filter on the Brightness Box, and adjust the value to EV10.00 camera needs to be above a certain Click the [ADJUST] button. \* Depending on the temperature inside the camera, the camera may zooming operations, but this does not mean that there is something w temperature. If the internal temperature is below this certain temperature, the camera will repeat zooming operations to raise the temperature. An error will occur if this adjustment is performed before the temperature reaches this standard temperature. Perform the adjustment ADJUST CANCEL again in such a case. 3 1. Set the Filter of the Brightness Box, and place the camera so that the lens is set against the light Brightness source surface of the Brightness Box. Box 2. Cover the camera with a light-shielding cloth so CAMERA that no light enters the camera except from the í II BODY Brightness Box. 3. Set the Brightness Box to the value displayed on Power the message. Source 4. Click the "ADJUST" button. Personal Computer Light Shielding Cloth

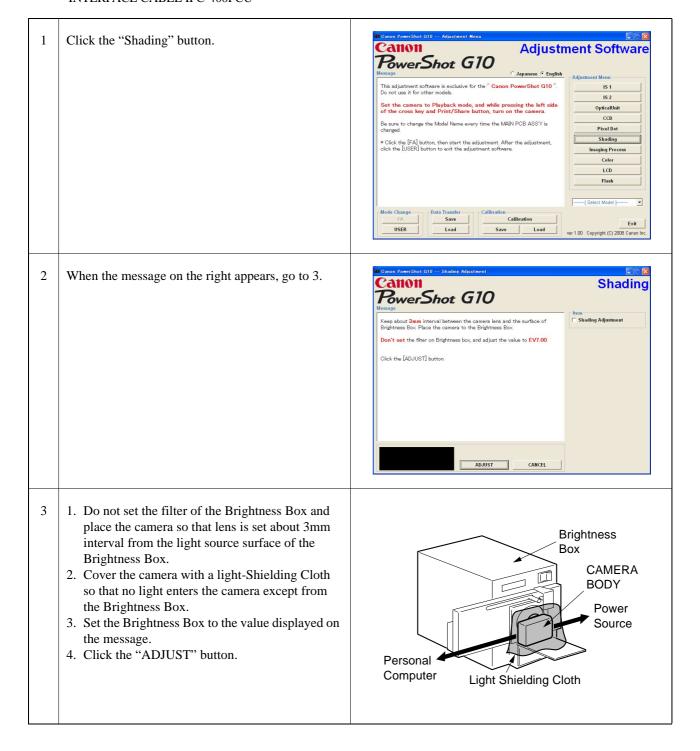
| 4 | When the message on the right appears, go to 5.   | Canon PowerShot OID Fired Dot Addistment<br>Canon<br>PowerShot G10<br>Mesage  | Pixel Dot   |
|---|---|---|---|
|   |   | Shude the camera completely.<br>Click the [ADUUST] button CANCEL  | Hem<br>Filled Kort Adjustment<br>↓ White Dot Adjustment |
| 5 | <ol> <li>Cover the camera with the Light-Shielding<br/>Cloth so that the no light reasons the CCD.</li> <li>Click the "ADJUST" button.</li> </ol> | Light Shielding Cloth<br>Personal<br>Computer   | CAMERA<br>BODY<br>Power<br>Source                       |
| 6 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Pixel Dot" Adjustment.)                                   | Control Control Control Control Data Adjustment Control Contr | Pixel Dot   |

### 5.6 Shading Adjustment

■ Tools Used

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- Personal Computer
- Brightness Box
- SERVICE MANUAL
- Light-Shielding Cloth
- ADJUSTMENT SOFTWARECompact Power Adapter CA-PS700
- Compact Power Adapter C.
- AC CableDC Coupler DR-50
- INTERFACE CABLE IFC-400PCU



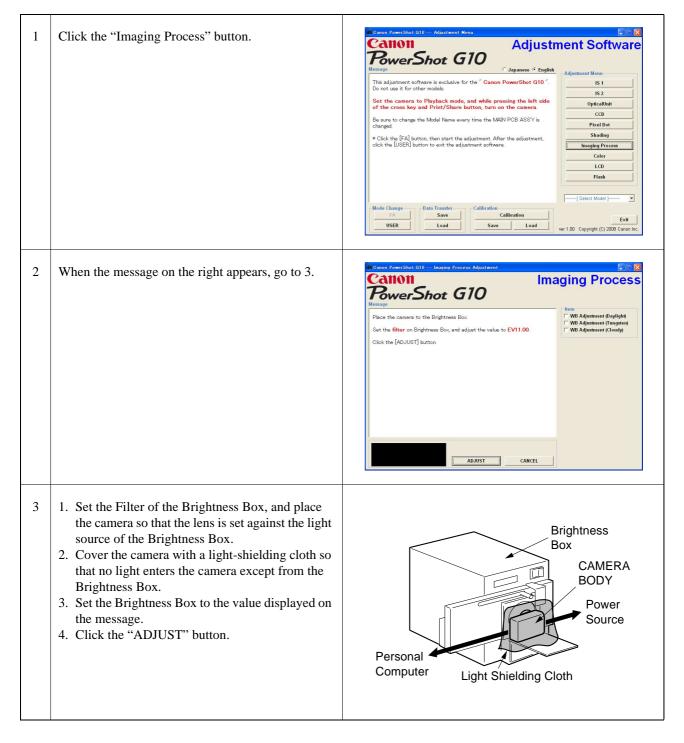
| 4 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Shading" Adjustment.) | Canon PowerShot (310 Shadne Adjustment<br>Canon<br>BowerShot G10<br>Message     | ∎∎⊠<br>Shading       |
|---|---|---|----------------------|
|   | (   | The adjustment is completed.  | F Shading Adjustment |
|   |   | Click the [FINSH] button to update the adjustment data<br>(F-ROM of the camera. |                      |
|   |   | PASS FINISH CANCEL  |                      |

#### 5.7 Imaging Process Adjustment

- Tools Used
- Personal Computer
- SERVICE MANUAL
- Brightness BoxW-10 Filter (2pcs.)
- ADJUSTMENT SOFTWARE
  - C-12 Filter
  - Compact Power Adapter CA-PS700 FL-W Filter
- AC Cable

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- Light-Shielding Cloth
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU



| 4 | When the message on the right appears, go to 5.  | Canon PowerShot 010 Imaging Process Adjustment Catton PowerShot G10 Imaging Process   |
|---|--|---|
|   |  | Netesage         Set the Brightness Box to EV13.00, while setting the filter.         Set two pieces of W-10 Filters between the lens and the Brightness Box         Click the [ADJUST] button. |
| 5 | <ol> <li>Attach the two W-10 Filters between the Lens<br/>and the Brightness Box.<br/>Place the camera so that the lens is set against<br/>the light source surface of the Brightness Box.</li> <li>Cover the camera with a light-shielding cloth so<br/>that no light enters the camera except from the<br/>Brightness Box.</li> <li>Set the Brightness Box to the value displayed on<br/>the message.</li> <li>Click the "ADJUST" button.</li> </ol> | Brightness<br>Box<br>W-10 Filter<br>CAMERA<br>BODY<br>Power<br>Source<br>Light Shielding Cloth  |
| 6 | When the message on the right appears, go to 7.  | Control PowerShot G10 Invariant Protects Addactment   |
| 7 | <ol> <li>Remove the W-10 Filters.</li> <li>Attach the C-12 and FL-W Filter between the<br/>Lens and the Brightness Box.<br/>Place the camera so that the lens is set against<br/>the light source surface of the Brightness Box.</li> <li>Cover the camera with a light-shielding cloth so<br/>that no light enters the camera except from the</li> </ol>  | Brightness<br>Box<br>C-12 Filter<br>FL-W Filter<br>CAMERA<br>BODY<br>Power  |

| 8 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Imaging Process" Adjustment.) | Canon PowerShot 010 Imaging Process Adjustment   |  |
|---|---|--|--|
|   |   | The adjustment is completed.     If Will adjustment (Daylight)       Click the [FINISH] button to update the adjustment data(F-ROM) of the camera.     If Will Adjustment (Cloudy) |  |
|   |   | PASS FINISH CANCEL   |  |

### 5.8 Color Adjustment

- Tools Used
- Color AdjustmentPersonal Computer Color Viewer (5500 °K)
- SERVICE MANUAL
- Color Bar Chart
- ND-4 Filter
- ADJUSTMENT SOFTWARE Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU

| 1 | Click the "Color" button.  | Compon PowerShot 010 Adjustment Menu<br>Canton Adjustment Software<br><i>PowerShot G10</i>   |
|---|--|--|
|   |  | Message     C Japanese <sup>®</sup> English       This adjustment software is exclusive for the <sup>®</sup> Canon PowerShot G10 <sup>®</sup> .       Do not use it for other models.       Sat the camera to Playback mode, and while pressing the left side of the cross key and Print/Share button, turn on the camera.       Be sure to change the Model Name every time the MAIN PCB ASSY is changed.       * Click the [A] button, then start the adjustment. After the adjustment, click the [USER] button to exit the adjustment software.       Color       Color       LCO       Flash |
|   |  | Mode Change     Data Transfer     Calibration     Image: Calibration       FA     Save     Calibration     Exit       USER     Lead     Save     Load  |
| 2 | When the message on the right appears, go to 3.  | Corrections (10 - Color Adjustment Color Rations)  |
| 3 | <ol> <li>Attach the Color Bar Chart to the Color Viewer.</li> <li>Place the camera so that the Viewing image of<br/>the color bar chart is the full of LCD with the<br/>ND-4 Filter attached.</li> <li>Click the "ADJUST" button.</li> </ol> | Color Bar Chart<br>Color Viewer<br>ND-4<br>Filter<br>CAMERA<br>BODY<br>Personal<br>Computer<br>Source<br>Stand   |

| 4 | <ol> <li>Shift a frame on the displayed screen with a<br/>mouse to choose a color of color bar.</li> <li>Click the "Sampling" button.</li> </ol>  | Instate Viewer FeelInates joe     Fiel@ Heej80  |
|---|---|---|
| 5 | Measure the yellow and red colors, and if they are<br>both within the specifications, click the "OK"<br>button, and then proceed to step 7.<br>* Specification<br>Ave_Cr = Reference Camera ± 10<br>Ave_Cb = Reference Camera ± 10  | Sampline Deformation TextImage.jpd           Color Vector           C   |
| 6 | <ol> <li>Confirm to see that the image on the PC monitor<br/>satisfies the specifications.</li> <li>If the image on the PC monitor does not satisfy<br/>the specifications, change the data using UP,<br/>DOWN button or change the data directly by<br/>typing the data in the text box. Then click the<br/>"Update" button.</li> <li>If these data are within specifications, click the<br/>"OK" button.</li> </ol> | Value         Value           Value         213.0.0           Value         216.5.2.2           Value         219.8.5.3.2           Value         219.8.5.2.2           Value         219.8.7.2           Value         219.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 |
| 7 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Color" Adjustment.)   | Convertished (310 - Color) Adjustment         Convertished (310 - Color)         Convertished (310 - Color)         Convertished (310 - Color)         Color)         Color)         Message         The adjustment is completed.         Check the both image         The adjustment, change the adjustment value on the right         Click the [ChMSH] button to end the adjustment.         Click the [FIMSH] button to end the adjustment.         Update  |

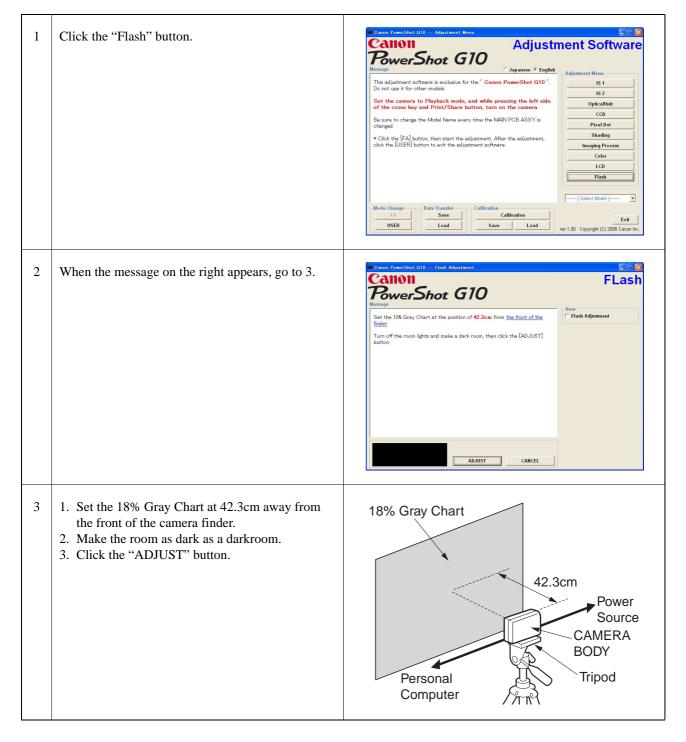
#### 5.9 LCD Adjustment

- Tools Used
- Personal Computer
- SERVICE MANUAL
- Reference Camera
- DIGITAL CAMERA SolutionDisk
- ADJUSTMENT SOFTWARE • Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50 • INTERFACE CABLE IFC-400PCU
- Preparation
  - 1. Insert the blank Memory Card into the reference camera.
  - 2. Connect the reference camera with the PC.
  - 3. Add the "Gray.jpeg" image to the Memory Card of the reference camera using Zoom Browser EX. (Gray.jpg is in the folder of Adjustment Software downloaded.)
  - 4. Finish the ZoomBrowser EX.
  - 5. Disconnect the reference camera from the PC, and display the "Gray.jpg" image in PLAY mode.

| 1 | Click the "LCD" button.  | Canon RowerShot G10 Adjustment Manu<br>Canon Adjustment Software<br>PowerShot G10   |
|---|--|---|
|   |  | Message     C Japanese     C English       This adjustment software is exclusive for the " Canon PowerShot 010".     Adjustment Menu       Do not use it for other models.     Is 1       Set the camera to Playback mode, and while pressing the left side of the cross key and Print/Share button, turn on the camera.     Is 2       Be sure to change the Model Name every time the MAIN PCB ASSY is changed.     * Click the [FA] button, then start the adjustment. After the adjustment. click the [USER] button to exit the adjustment software.     Shading       Mode Change     Data Transfer     Calibration       IA     Save     Lead |
| 2 | <ol> <li>Compare the image with that of the reference<br/>camera. If it has a different color tint, adjust it by<br/>repeating clicking the Yellow/Blue button and<br/>the "Update" button alternately.</li> <li>Click the "FINISH" button. (This ends the<br/>"LCD" Adjustment.)</li> </ol> | Control Reservibul G10 LOD Adjustment         Control Reservibul G10 LOD Adjustment         Control Reservibul G10 LOD Adjustment         Discussion         Compare the pictures displayed on the LCD and the reference camera and adjust them.         Olick the [FINSH] button.  |

### 5.10 Flash Adjustment

- Tools Used
- Personal Computer
- 18% Gray Chart Tripod
- SERVICE MANUAL
- ADJUSTMENT SOFTWARE
- Compact Power Adapter CA-PS700
- AC Cable
- DC Coupler DR-50
- INTERFACE CABLE IFC-400PCU



| 4 | When the message on the right appears, click the<br>"FINISH" button.<br>(This ends the "Flash" Adjustment.) | Control Flow Choice Only Flow Adjustment         Control Flow Choice Only Flow Adjustment         Message         The adjustment is completed.         Click the [FINSH] button to update the adjustment data(F-ROM® of the camera. |
|---|---|---|
|   |   | CANCEL  |

**5.11 Checking of sound recording/output** It is not required to adjust the recording/output (volume etc.) of sound. Check the camera if the sound is recorded/ play-backed properly.

## DIAGRAMS

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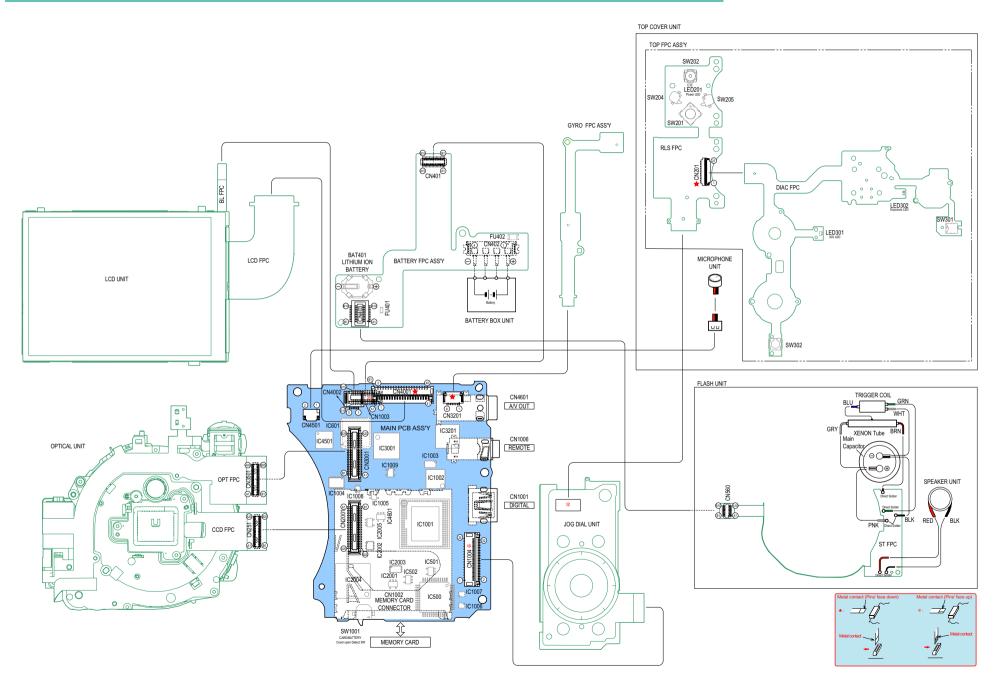
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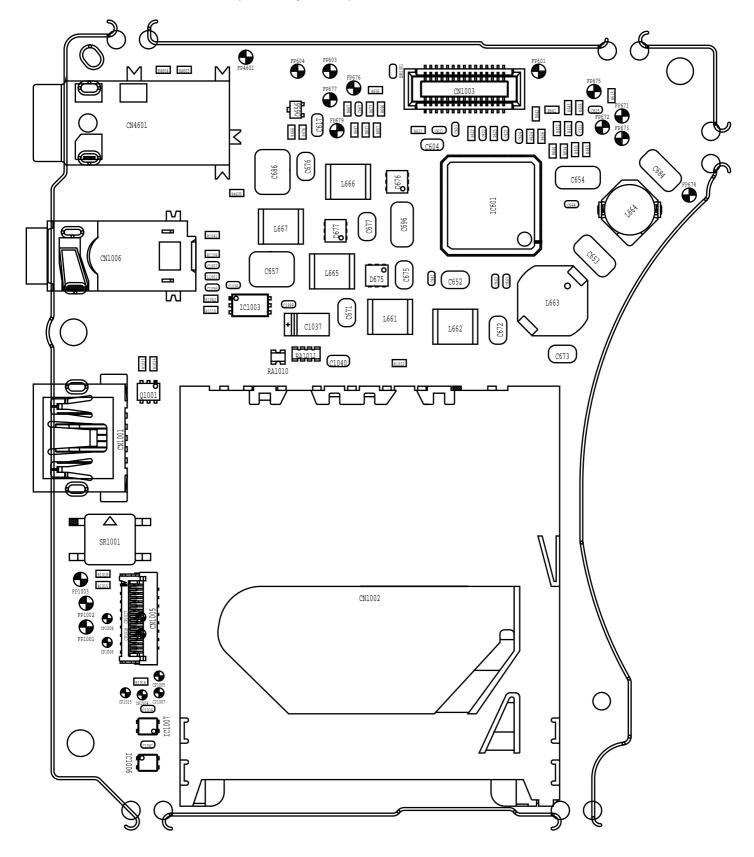
- 1. INTERCONNECTION DIAGRAM
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  - 2.2 MAIN PCB ASS'Y (Secondary Side)
  - 2.3 ST FPC ASS'Y (Primary Side)
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## **1. INTERCONNECTION DIAGRAM**

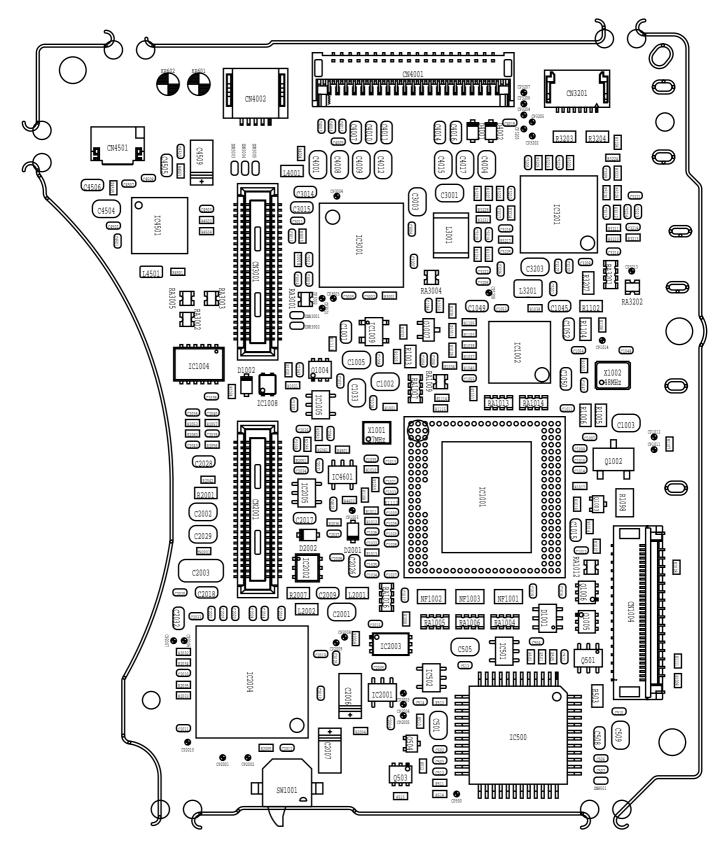


## 2. PCB DIAGRAMS

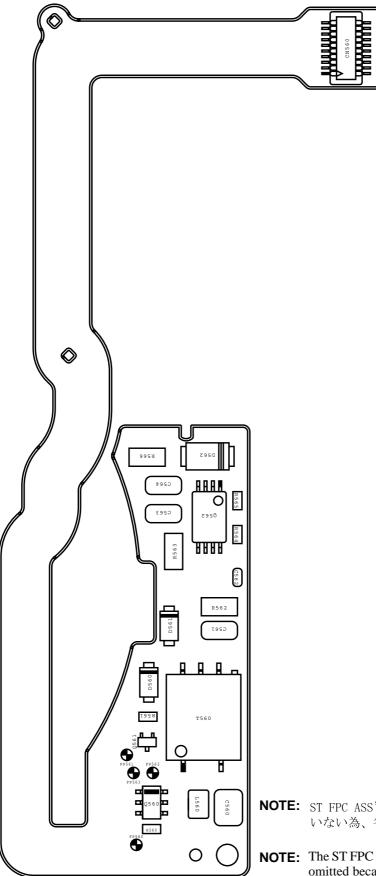
### 2.1 MAIN PCB ASS'Y (Primary Side)



#### 2.2 MAIN PCB ASS'Y (Secondary Side)



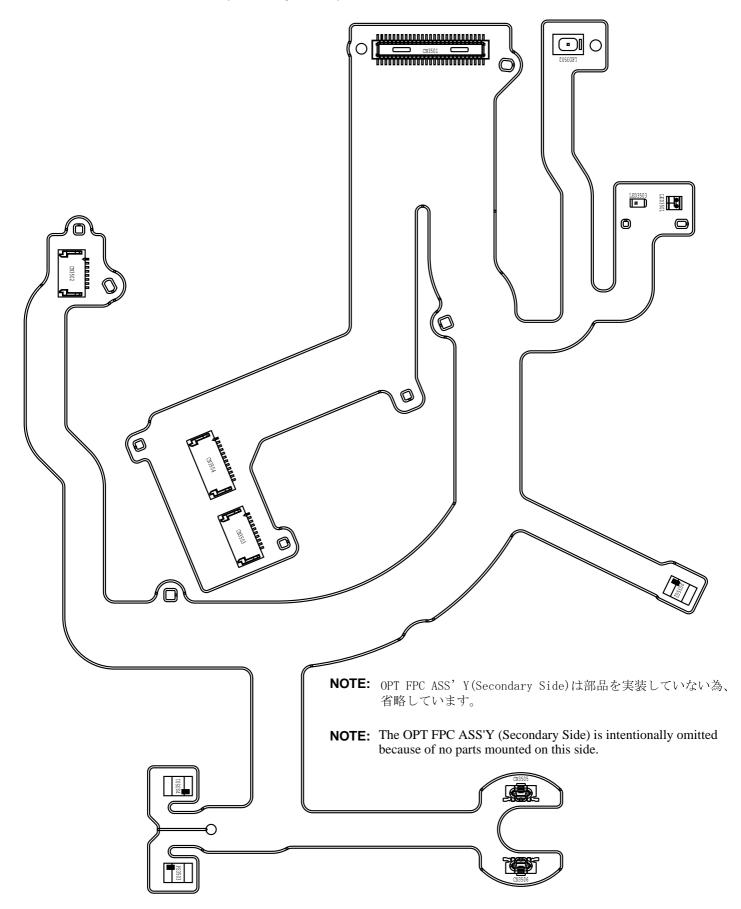
### 2.3 ST FPC ASS'Y (Primary Side)



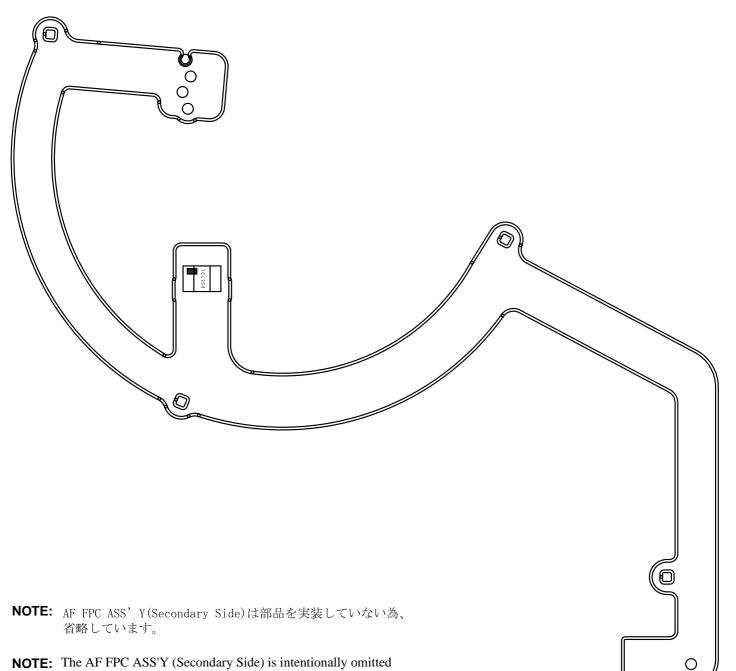
**NOTE:** ST FPC ASS' Y(Secondary Side)は部品を実装して いない為、省略しています。

**NOTE:** The ST FPC PCB ASS'Y (Secondary Side) is intentionally omitted because of no parts mounted on this side.

### 2.4 OPT FPC ASS'Y (Primary Side)

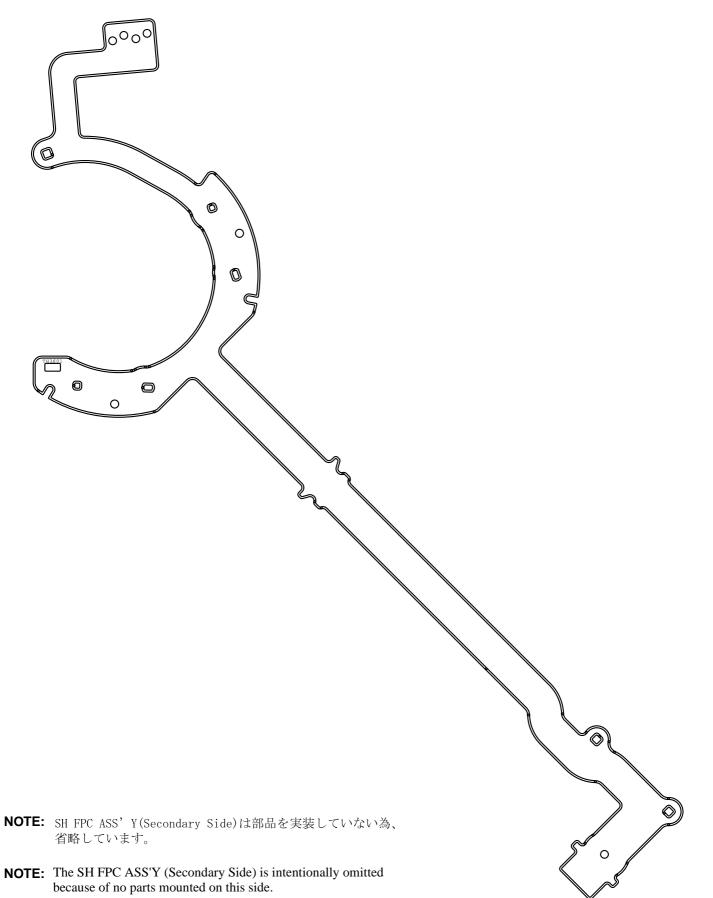


#### 2.5 AF FPC ASS'Y (Primary Side)

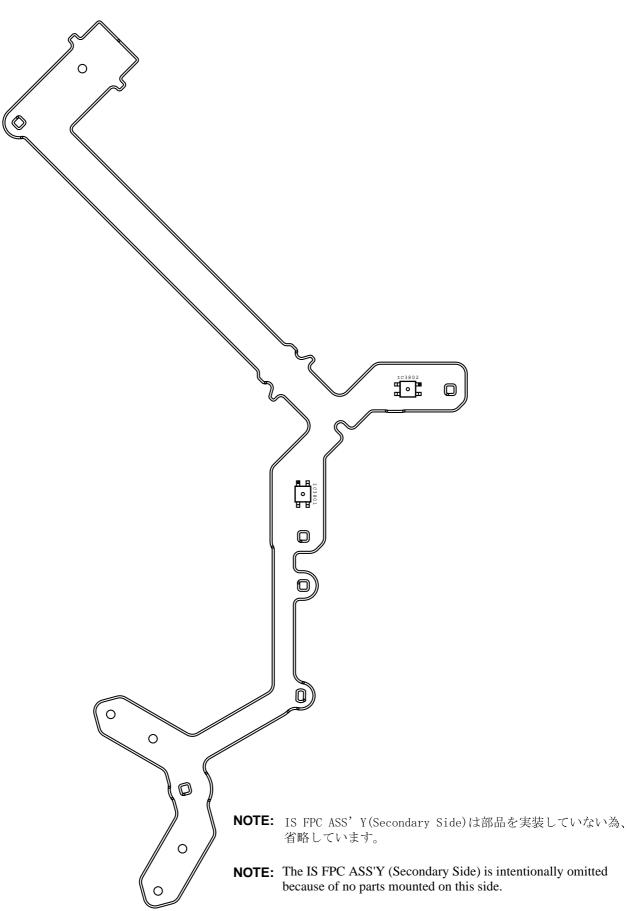


**NOTE:** The AF FPC ASS'Y (Secondary Side) is intentionally omitted because of no parts mounted on this side.

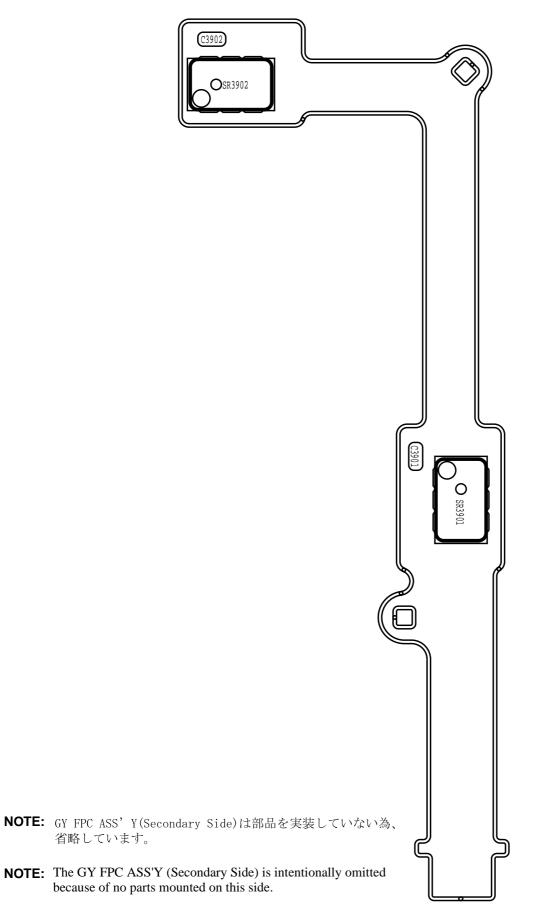
### 2.6 SH FPC ASS'Y (Primary Side)



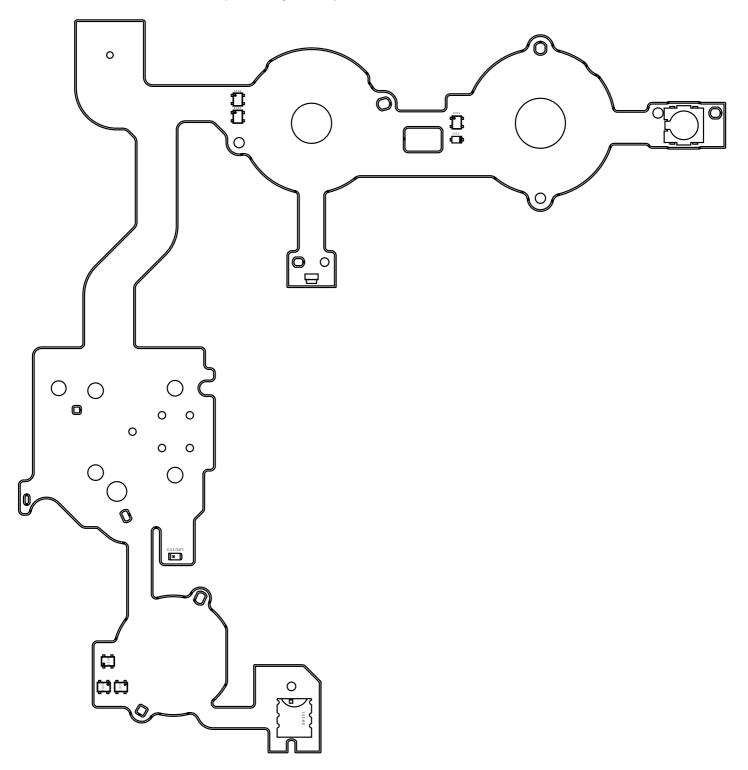
### 2.7 IS FPC ASS'Y (Primary Side)



### 2.8 GY FPC ASS'Y (Primary Side)

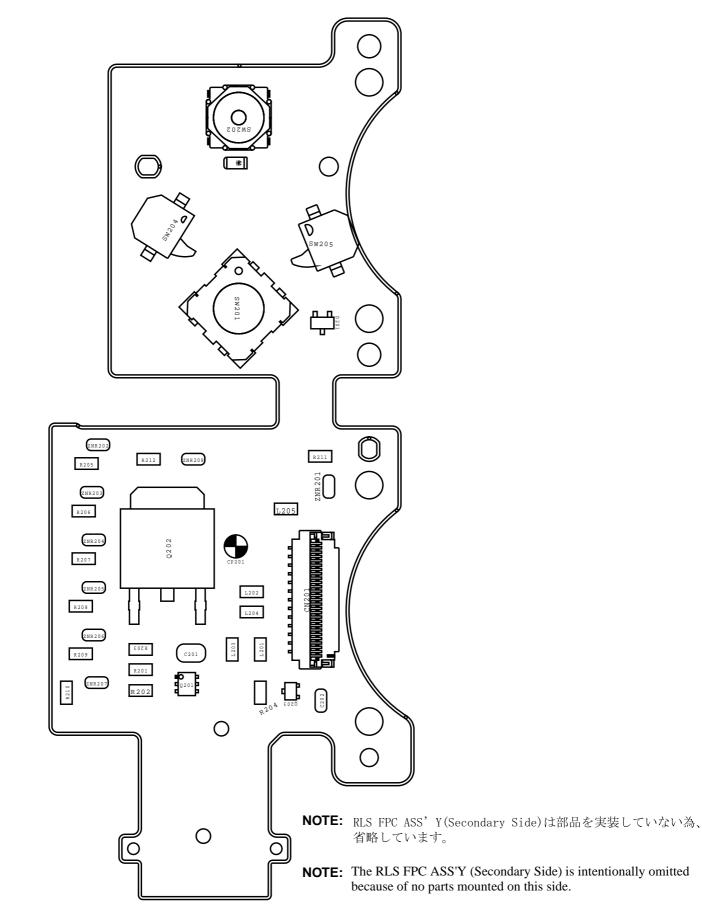


#### 2.9 DIAC FPC ASS'Y (Primary Side)

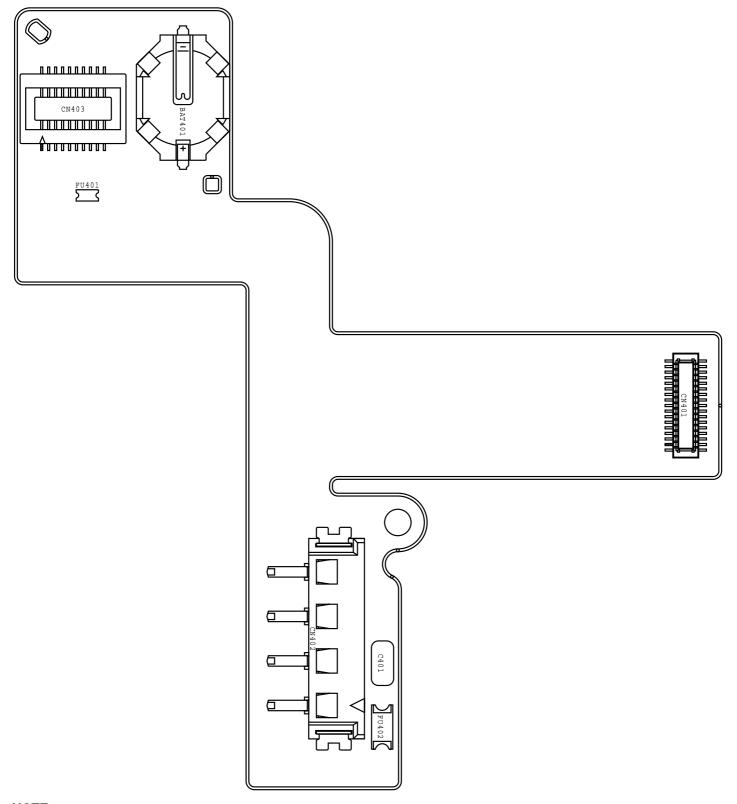


- **NOTE:** DIAC FPC ASS' Y(Secondary Side)は部品を実装していない為、 省略しています。
- **NOTE:** The DIAC FPC ASS'Y (Secondary Side) is intentionally omitted because of no parts mounted on this side.

### 2.10 RLS FPC ASS'Y (Primary Side)



#### 2.11 BATT FPC ASS'Y (Primary Side)



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