





2. Product Specification

2-1 Product Specification

| Features | | | |
|--------------------|--|----------------------------------|--------------|
| Block | Specification | Major IC | Remark |
| RF | Tuner | DNOS403SH071A(S) | SEMCO |
| PDP Module | Samsung SDI W3 | 42"HD/50"HD | SAMSUNG SDI |
| Power | Input Voltage: AC 100~240V, 50/60Hz | | |
| Video | Scaler | MT8226 | Media Tech |
| | Video Decoder | STi7103 | STM |
| Sound | Sound AMP | NTP3100 | Neo Fidelity |
| | Audio CODEC | MT8291 | Media Tech |
| Cabinet | P410 Design | | |
| Specification | | | |
| Model | PS42A410C1D | PS50A410C1D | |
| Screen Size | 42 Inches (16:9) | 50 Inches (16:9) | |
| Dimensions (WxHxD) | 1054.9 x 759.4 x 315.9 mm (With Stand) | 1231 x 849 x 316 mm (With Stand) | |
| Weight | 31.5 kg (With Stand) | 44 kg (With Stand) | |
| Voltage | AC 100~240V, 50/60Hz | | |
| Colour System | PAL, SECAM, NTSC4.43, NTSC 3.58 | | |
| Sound System | BG, DK, I, M, L, L',MPEG1 | | |
| PC Resolution | 1024 x 768 @ 85Hz | | |
| ANTENNA input | AIR IN (75Ω unbalanced) | | |
| VIDEO input | RF, AV, S-VIDEO, Component 1,2 Component - 480i/p, 576i/p, 720p, 1080i PC IN (D-SUB 15p) HDMI1, 2, 3 -480i/p, 576i/p, 720p, 1080i | | |
| AUDIO input | RF, AV, S-VIDEO, Component, PC, DVI, HDMI | | |
| Audio Output | AUDIO (L/R), Headphone | | |
| Speaker Output | 10W + 10W | | |

2-2 Specifications Analysis















※ ○ : application, X: non-application

| Items | SubItems | P410 | | 410C | |
|---------------------|----------------------------------|---|--|---|---|
| | | PS42A410C1 | PS50A410C1 | PS-50C67HD (Lily2-50HD) | PS-42C67HD (Lily2-42HD) |
| Design | |  |  |  |  |
| Basic Info | Inch | 42" | 50" | 50" | 42" |
| | Chassis Name | F59A | F59A | F33B | F33B |
| | Cabinet Name | P410 | P410 | C9 | C9 |
| Additional Feature | IDTV / Ready | IDTV(MPEG4) | IDTV(MPEG4) | IDTV | IDTV |
| | Motion Judder Canceller | No | No | No | No |
| | Speaker Type (Hidden/Side/Array) | Down Firing | Down Firing | 1/0 | 1/0 |
| | USB spec (Side) | Service only | Service only | No | No |
| | F. Memory | No | No | No | No |
| | UI | Single UI | Single UI | Smart | Smart |
| | DCM | No | No | No | No |
| | DLNA | No | No | No | No |
| | RSS | No | No | No | No |
| | Woofer | No | No | No | No |
| | Wi-Fi | No | No | No | No |
| | Optical Link | No | No | No | No |
| | Wheel Key | No | No | No | No |
| | 3D | No | No | No | No |
| | ACE2 | Yes | Yes | No | No |
| | 100Hz | No | No | No | No |
| | 1080p (24Hz) Input | Yes | Yes | No | No |
| | H.264 | Yes | Yes | No | No |
| | Finland Cable DTV | No | No | No | No |
| | HDMI-CEC | Yes | Yes | No | No |
| | HDMI Version (1,2/1.3) | 1.3 | 1.3 | 1.2 | 1.2 |
| | HDMI Rear / Side | 2/1 | 2/1 | 2/0 | 2/0 |
| | SORT | Yes | Yes | TBD | TBD |
| | Picture Size(WSS) | TBD | TBD | TBD | TBD |
| | Clone Remote Controller | TBD | TBD | Yes | Yes |
| | Auto-Wallmount Support | Yes | Yes | Yes | Yes |
| | Analog audio Out (L/R) | 1 | 1 | 1 | 1 |
| | Remote Controller (Model Code) | TM95 | TM95 | TM95 | TM95 |
| Video | Screen Size(inches) | 42" | 50" | 50" | 42" |
| | Resolution(Number of Pixels) | 1024 x 768 | 1365 x 768 | 1365 x 768 | 1024 x 768 |
| | Brightness | 1500cd/m2 | 1500cd/m2 | 1500cd/m2 | 1500cd/m2 |
| | Ultra FilterBright | No | No | No | No |
| | Anti Reflection | Yes | Yes | No | No |
| | Contrast Ratio | 20000:1 | 20000:1 | 15000:1 | 15000:1 |
| | Screen Aspect Ratio(16:9/4:3) | 16:9 | 16:9 | 16:9 | 16:9 |
| | Viewing Angle | over 175o (H/V) | over 175o (H/V) | over 175o (H/V) | over 175o (H/V) |
| | DNle | Yes | Yes | Yes | Yes |
| | Number of colors(expressed) | 281T | 281T | 281T | 281T |
| | Grey Level(Gradation) | 65536 | 65536 | 65536 | 65536 |
| | Cinema Progressive (Film mode) | Yes | Yes | Yes | Yes |
| | Digital Comb Filter | 3D | 3D | 3D | 3D |
| | Digital Noise Reduction | Yes | Yes | Yes | Yes |
| Low Noise Amplifier | No | No | No | No | |
| Audio | Sound Effect System | SRS TruSurround XT | SRS TruSurround XT | SRS TruSurround XT | SRS TruSurround XT |
| | Speaker | Down Firing | Down Firing | TBD | TBD |
| | Sound output (RMS) | 10W x 2 | 10W x 2 | 10W x 2 | 10W x 2 |

| | | | | | |
|-----------------------|------------------------------|--------------------------------------|--------------------------------------|--|--|
| Feature | Anti Burn-in Technology | Yes (APS, All white, Signal pattern) | Yes (APS, All white, Signal pattern) | Yes (APS, All white, Signal pattern) | Yes (APS, All white, Signal pattern) |
| | Power Saving | Yes (Off / High / Middle / Low) | Yes (Off / High / Middle / Low) | "Yes (Off / High / Middle / Low)Multi Brightness Mode | "Yes (Off / High / Middle / Low)Multi Brightness Mode |
| | Picture-In-Picture | No | No | Yes | Yes |
| | Clock & On/Off Timer | Yes | Yes | Yes | Yes |
| | Sleep Timer | Yes (Max 180Min) | Yes (Max 180Min) | Yes (Max 180Min) | Yes (Max 180Min) |
| | Teletext(TTX) | MEGA TTX Ver 2.5 (1000P) | MEGA TTX Ver 2.5 (1000P) | 1.5(1000P) | 1.5(1000P) |
| | V-Chip | No | No | No | No |
| | Blue Screen On/Off | No | No | No | No |
| | Melody On-Off | Yes | Yes | Yes | Yes |
| | Plug & Play | Yes | Yes | Yes | Yes |
| | Absent Power Off | Yes | Yes | Yes | Yes |
| | Auto Power Off | Yes (15Min after No Signal) | Yes (15Min after No Signal) | Yes (15Min after No Signal) | Yes (15Min after No Signal) |
| | OSD Language | 22-Language | 22-Language | 21-Language | 21-Language |
| | Favorite Channel List | Yes | Yes | No | No |
| | Still Picture | No | No | No | No |
| System | Sports Mode / Game mode | Sports/Cinema/Game Mode | Sports/Cinema/Game Mode | Yes | Yes |
| | Tuners | Europe Multi | Europe Multi | NTSC 4.43, PAL-B/G, D/K, I, I/I', SECAM-B/G, D/K, L/L', AV Multi | NTSC 4.43, PAL-B/G, D/K, I, I/I', SECAM-B/G, D/K, L/L', AV Multi |
| Input & Output (side) | POD (Digital Cable Ready) | No | No | No | No |
| | Composite (AV) | 1 | 1 | 0 | 0 |
| | Y/C (S-Video) | 1 | 1 | 0 | 0 |
| | Headphone(Earphone) | 1 | 1 | 0 | 0 |
| | WISELINK (Multi Memory Slot) | No | No | No | No |
| | WISELINK (USB) | No | No | No | No |
| | (HDMI) | 1 | 1 | 0 | 0 |
| Input & Output (back) | PictBridge | No | No | No | No |
| | RF input | 1 | 1 | 1 | 1 |
| | RF output | No | No | No | No |
| | Composite (AV) | 1 | 1 | No | No |
| | S-Video | No | No | No | No |
| | Component (Y/Pb/Pr) | 2 | 2 | 1 | 1 |
| | Euro Scart | No | No | 2 | 2 |
| | PC input (D-sub) | 1 | 1 | 1 | 1 |
| | HDMI | 2 | 2 | 1 | 1 |
| | Motorized Mount Control | Yes | Yes | Yes | Yes |
| | Video Monitor Out | No | No | No | No |
| | Audio Monitor Out | 1 | 1 | 1 | 1 |
| | Digital Audio (Coaxial) | No | No | No | No |
| | Digital Audio (Optical) | 1 | 1 | Yes | Yes |
| Power | Power Supply | 220~240V (50/60Hz) | 220~240V (50/60Hz) | 220~240V (50/60Hz) | 220~240V (50/60Hz) |
| | Operation Power Consumption | TBD | TBD | TBD | TBD |
| | Stand-By Power Consumption | Under 1W | Under 1W | UNDER 3W | UNDER 3W |
| | Master S/W | No | No | TBD | TBD |
| | Energy Star | No | No | Yes | Yes |
| Panel Life Time | | 60,000 hrs | 60,000 hrs | 60,000 hrs | 60,000 hrs |
| Accessory | RF Cable | No | No | No | No |
| | User Manual | Yes | Yes | Yes | Yes |
| | Battery | 2EA(AAA) | 2EA(AAA) | 2EA(AAA) | 2EA(AAA) |
| | Power Cable | Yes | Yes | Yes | Yes |
| | Stand | Yes | Yes | Yes | Yes |
| | Speaker | Integrated | Integrated | Integrated | Integrated |

※ For the power supply and power consumption, refer to the label attached to the product.

2-3 Accessories

| Accessories | | Item | Item code | Remark |
|--|---|---|---------------------------------|--|
| Supplied Accessories |  | Remote Control | BN59-00705A | Samsung Service center |
| |  | Batteries | 4301-000103 | |
| |  | Power Cord | 3903-000145 | |
| |  | Owner's Instructions | BN68-01592A | |
| |  | Warranty Card Registration Card Safety Guide Manual | BP68-00274C - AA68-03242M | |
| |  | Ferrite Core for Earphone/Power Cord | 3301-001110 | |
| Accessories that can be purchased additionally |  | Ferrite Core for S-VIDEO/Power Cord | 3301-001305 | Electronics Store/ Internal shopping mall |
| |  | HDMI Cable 3000mm | BN39-00641A | |
| |  | HDMI/DVI cable 3000mm | BN39-00643A | |
| |  | Component Cables | BN39-00279A | |
| |  | Scart Cable | None | |
| |  | PC Cable | 1830mm | |
| |  | PC Audio Cable | BN39-00115A | |
| |  | Antenna Cable | 2000mm | |