

High Definition Plasma Display

Tentative

TH - 50PF9EK

[Product summary]

- 50" **1080p** High Definition Plasma Display for Professional use
- "Super Cinema Mode" - perfectly tuned color setting for true professional users - enables a reference monitor level of color reproduction on native 1080p high resolution panel
- Equipped with three interchangeable slots - provides flexible and powerful system solution by adding/exchanging a wide variety of optional plug-in boards
- New optional plug-in boards are also available to maximize 1080p resolution panel performance - TY-FB9FDD (UxGA compatible DVI board (pre-installed when shipped)), TY-FB9HD (full 10 bit processing HD-SDI board)
- Available with various unique professional features like, Dual picture mode, Digital zoom, Built-in video wall image enlarger, etc...

[Product specification] (design and specification subject to change without notice)

| Display | |
|--|---|
| Screen Size (Diagonal) | 50 - inch (127 cm) |
| Aspect ratio | 16:9 |
| Effective Display Area (W x H) | 1,106 x 622 mm |
| Resolution (H x V) | 1,920 x 1,080 pixels (1pixel=3cells for R,G and B) |
| Pixel Pitch (H x V) | 0.576 x 0.576 mm |
| Brightness | 1,000 cd/m ² |
| Contrast Ratio (Bright room) | Max. 5,000:1 (400:1) |
| Gradation | 4,096 steps (equivalent) |
| Signal Compatibility | |
| Scan Rate | Horizontal frequency 15-110 kHz Vertical frequency 48 -120Hz |
| PC Signal Compatibility | VGA, SVGA, WVGA, WSVGA, XGA, SXGA, XGA+, SXGA+, WXGA UXGA, WUXGA (Compressed) |
| Supported Video Standards | NTSC, PAL, PAL 60, SECAM, Modified NTSC |
| Video Signal Compatibility | 525(480)/60i · 60p, 625(575)/50i · 50p, 750(720)/60p · 50p, 1250(1080)/50i 1125(1080)/60i · 50i · 24p · 24sF · 25p · 30p · 60p · 50p |
| Input / Output | |
| Fixed Terminal | |
| PC IN | Mini D-sub 15pin x1 Analog RGB / Component * Plug & Play (VESA DDC 1/2B) |
| AUDIO IN | M3 jack x 1 |
| SERIAL | D-sub 9-pin x 1 External control, RS-232C compatible |
| Interchangeable Terminals | |
| (Slot1) Vacant | |
| (Slot2:TY-FB9FDD) DVI-D IN | DVI x 1 |
| AUDIO IN | M3 jack x 1 L / R : 0.5 Vrms |
| (Slot3:TY-42TM6A) COMPONENT IN | BNC x 3 Analog RGB / Component |
| AUDIO IN (L/R) | RCA pin jack x 2 |
| ELECTRICAL | |
| Power Requirements | AC 220-240 V, 50Hz/60Hz |
| Power Consumption | 595 W |
| Power off condition | 0.3 W |
| Stand-by condition | Save Off 1.2 W, Save On 1.0 W |
| SOUND | |
| Audio Output | 16 W [8 W +8 W] (10% THD) |
| MECHANICAL | |
| Dimensions (W x H x D) | 1,210 x 724 x 95 mm (exclusive protruding portion) |
| Weight | approx. 42 kg |
| Cabinet color | Black |
| ENVIRONMENTAL | |
| Operating environment | |
| Temperature | 0 °C - 40 °C |
| Humidity | 20 % - 80 % (Non condensation) |
| Altitude | 0 - 2,800 m |
| Storage environment | |
| Temperature | -20 °C - 60 °C |
| Humidity | 20% - 90% (Non condensation) |
| Altitude | 0 - 3,300m |
| RADIATION REGULATIONS | |
| EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3 | |
| SAFETY STANDARDS | |
| EN60065 Ner.7 | |
| IR REMOTE CONTROL | |
| Power Requirements | DC 3V (UM3 battery x 3) |
| Operation distance | approx. 7m in front of plasma display |
| Weight | approx. 130g including batteries |
| INCLUDED ACCESSORIES | |
| · Remote controller · Batteries · Fixing Bandx2 · AC power cord · Operating instruction book | |
| OPTIONAL ACCESSORIES | |
| · Wall-hanging bracket (vertical, angled, drawer type) · Pedestal · Ceiling-hanging bracket · Mobile stand · Touch Panel · Speakers · Anti-glare filter · Terminal boards | |