

# High Definition Plasma Display

## 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)

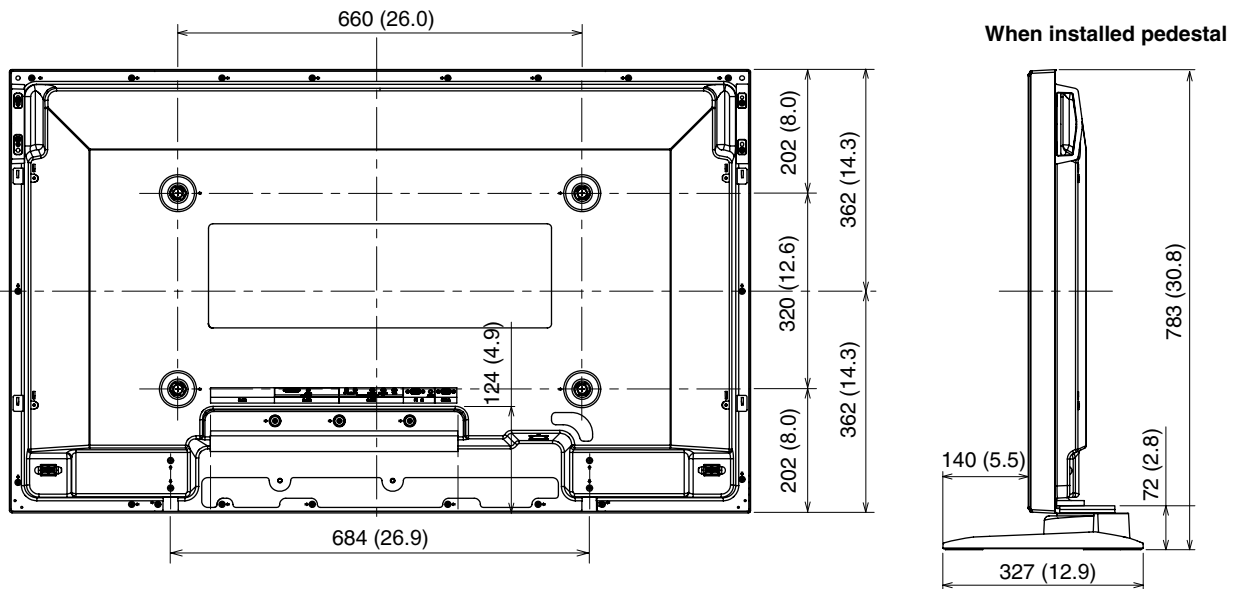
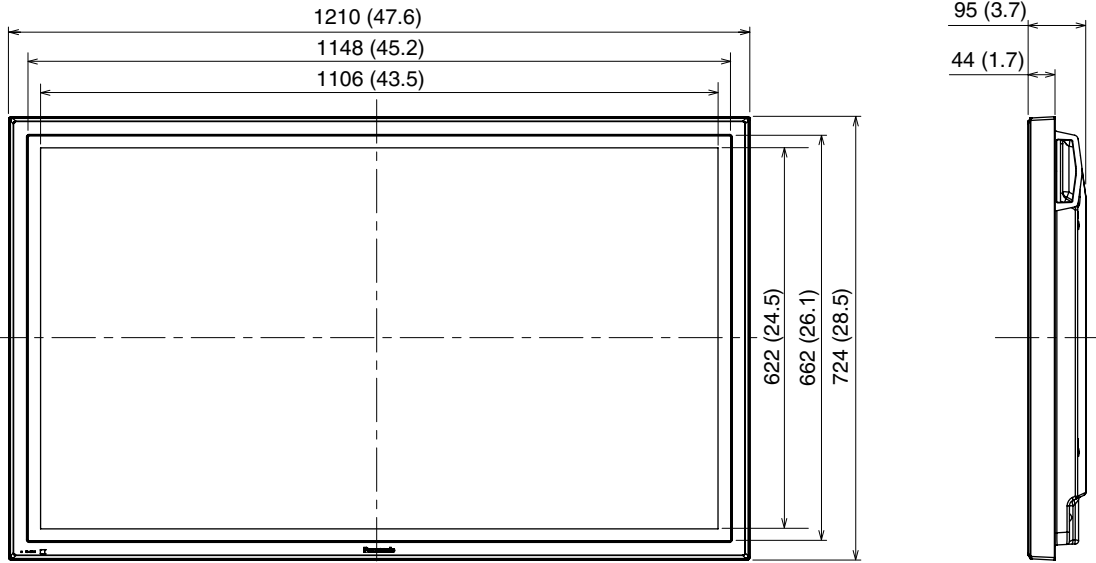
Display	
Screen Size (Diagonal)	50 - inch (126.9 cm )
Aspect ratio	16:9
Effective Display Area (W x H)	1,106 x 622 mm
Resolution (H x V)	1,920 x 1,080 pixels (1pixel=3cells for R,G and B)
Pixel Pitch (H x V)	0.576 x 0.576 mm
Brightness	1,000 cd/m <sup>2</sup>
Contrast Ratio (Bright room)	Max. 5,000:1 (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, 1125(1080)/60i·50i·24p·24sF·25p·30p·60p·50p, 1250(1080)/50i
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 24 pin 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 Ver.7	
IR REMOTE CONTROL	
Power Requirements	DC 3V (UM3 battery x 2)
Operation distance	approx. 7m in front of plasma display
Weight	approx. 130g including batteries
INCLUDED ACCESSORIES	
- Remote controller - Batteries - Fixing Band x 2 - 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	

**Panasonic**

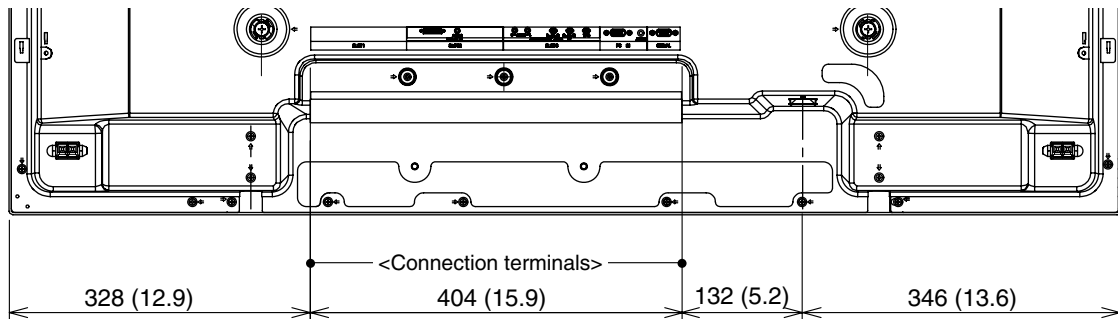
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■ **Dimensions** (Shown with optional Pedestal stand)

Units : mm (inches)



<Terminal dimension>



<Connection terminals>

