

TH-42PWD6UY

42" diagonal Wide Plasma Display

Superior Picture Quality,
Advanced Functions and
Improved Expandability



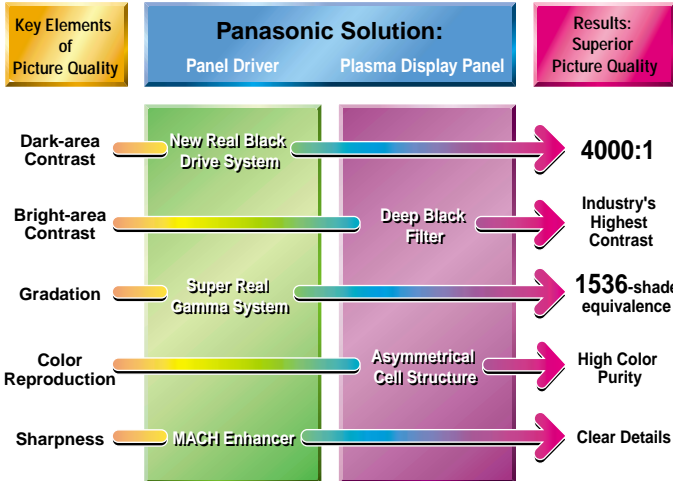
Main Features

- 1** **1,536*-Shade Equivalence & 4000:1 Contrast Ratio**
Superior Image Presence
- 2** **Multi-Function Slots**
Versatile Expandability
- 3** **Dual Pictures**

* Number of gradation steps at the lower brightness levels, where the human eye sees best.

Total Picture Quality

The Panasonic Plasma Display delivers brilliant, high-contrast images with rich gradation and remarkable depth. Behind this total picture quality is the powerful synergetic effect between the plasma display panel and a panel driver that is optimally suited to display devices.



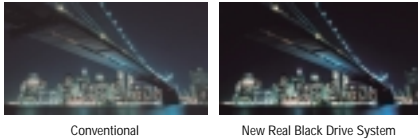
Super Real Gamma System

In scenes with low brightness levels, the Super Real Gamma System reproduces gradation in steps equivalent to 1,536* shades. As a result, it adds subtle nuances to darker scenes and gives images greater depth.

* In Normal/Cinema mode.

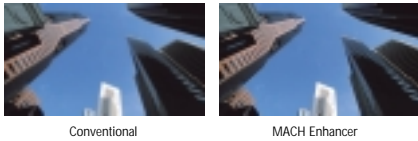
New Real Black Drive System

By reducing the pre-discharge emission when reproducing black, the New Real Black Drive System provides deeper, richer blacks and a stunning 4000:1 contrast.



MACH Enhancer

The MACH Enhancer is an original Panasonic contour-emphasis signal processing technology. Drawing on the Mach effect, this technology enhances an object's contours in a way that best suits the way the human eye perceives objects.



Deep Black Filter

The front protective glass of the Panasonic Plasma Display incorporates a new Deep Black Filter that suppresses light transmittance and slashes the amount of external light reflected. This helps our display achieve the industry's highest level of contrast when viewed in bright surroundings.

Specifications

Category	Specification	
DISPLAY	Screen Size	42" (106 cm) diagonal
	Screen Aspect	16 : 9 Wide
	Number of Pixels	408,960 (852 x 480) pixels
	Pixel Pitch	1.08 mm
	Displayable Colors	1,070 million colors
	Contrast Ratio	4000 : 1 (in dark surroundings)
TERMINALS	Color System	NTSC/PAL/SECAM/PAL 60Hz/M-NTSC
	Audio Output	16 W (8 W x 2)
	On-Screen Display	US English/UK English/Spanish/French/German/Italian/Chinese
	Screen Coating	AR (Anti-Reflection) Coating
TERMINALS	Composite Video Input	BNC coaxial x 1, 1Vp-p/75 ohms
	S-Video Input	S terminal x 1, Y: 1Vp-p/75 ohms, C: 0.286Vp-p/75 ohms
	Audio Input (for Video)	RCA phono type connectors (L, R) (1 set)
	RGB Input (PC/Component)	Mini D-sub 15-pin x 1 (VGA display & SVGA, XGA, SXGA, UXGA compressed display); fh: 15 — 110 kHz; fv: 48 — 120 Hz
	Audio Input (for PC)	M3 stereo plug
	Component/R,G,B Input	BNC coaxial x 5
	RGB, HD, VD	R, G, B: 0.7Vp-p/75 ohms; Sync: TTL level/0.3Vp-p (75 ohms); H, V Separate Sync/Composite Sync; fh: 15 — 110 kHz; fv: 48 — 120 Hz
	Y, Pb (Ca), Pr (Cr)	Y: 1Vp-p/75 ohms; Pb (Ca), Pr (Cr): ±0.35Vp-p/75 ohms; fh: 15.75/31.5/33.7/45 kHz
	Audio Input (for Component/R,G,B)	RCA phono type connectors (L, R) (1 set)
	Serial (RS232C)	D-Sub 9-pin
GENERAL	Power Supply	AC 120 V, 50/60Hz
	Power Consumption	Max: 395 W; Stand-by (Save On): 0.6 W
	Dimensions (W x H x D)	40.2" x 24" x 3.5" (1020 x 610 x 89 mm)
	Weight	63.7 lbs. (29.0 kg)
	Operating Temperature	34°F — 104°F (0°C — 40°C)
	Operating Humidity	20% — 80% (Non condensation)
	Regulations	FCC Part 15 Class A Digital Equipment

Panasonic Broadcast & Television Systems Company

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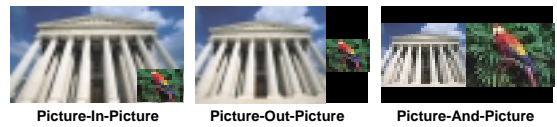
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Government Marketing Department: 52 West Gude Drive, Rockville, MD 20850 (301) 738-3840

Dual Pictures

You can display images from two different sources at the same time.



Multi-Screen Applications

The built-in image-enlarging function simplifies 4 (2 x 2) or 9 (3 x 3) multi-screen displays.

9-Point Digital Zoom

Use this function to select one portion of an image (from nine points on the screen), enlarge it to two or three times normal size, and display it on the full screen.

Energy-Saving Functions

¥ DPMS (Display Power Management Signaling)

¥ Auto Power Off ¥ Power Save Mode ¥ Standby Power Save Mode

¥ Plasma C.A.T.S. (Contrast Automatic Tracking System)



Standard-Equipped Terminals

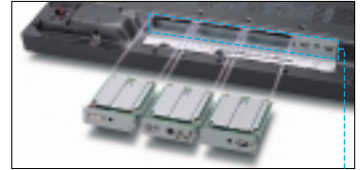
* The characters in red are added for explanation.



The above standard-equipped terminal board can be replaced by optional terminal boards.

Multi-Function Slots

In addition to the fixed input interface, the Panasonic Plasma Display has three interchangeable slots that let you add different combinations of optional terminal boards.



Optional Terminal Boards

RGB Active Through Terminal Board TY-42TM6G

(Insertable in slots 1 and 2)



When shipped:

Slot 1: Vacant Slot 2 and 3: The above standard-equipped terminal board is preinstalled.

Preset Input Signals

BNC Component Video Terminal Board TY-42TM6A
(Insertable in slot 1, 2, or 3)



BNC Composite Video Terminal Board TY-42TM6B
(Insertable in slot 1 or 2)



RCA Component Video Terminal Board TY-42TM6Z
(Insertable in slot 1, 2, or 3)



RCA Composite Video Terminal Board TY-42TM6V
(Insertable in slot 1 or 2)



RGB (Digital) Terminal Board TY-42TM6D
(Insertable in slot 1 or 2)



PC Input Terminal Board TY-42TM6P
(Insertable in slot 1, 2, or 3)



Signal name	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Standard-equipped board	Optional Board			
				TY-42TM6BV	TY-42TM6Z	TY-42TM6G	TY-42TM6G Multi-screen use & Digital Zoom mode
Composite	NTSC	15.73	59.95	√	√	√	√
	PAL	15.63	50	√	√	√	√
	PAL60	15.73	59.95	√	√	√	√
	SECAM	15.63	50	√	√	√	√
	Modified NTSC	15.73	59.95	√	√	√	√
	525 (480)/60i	15.73	59.94	√	√	√	√
	625 (575)/50i	15.63	50	√	√	√	√
	525 (480)/60p	31.47	59.94	√	√	√	√
	625 (575)/50p	31.25	50	√	√	√	√
	750 (720)/60p	45	60	√	√	√	√
	750 (720)/50p	37.5	50	√	√	√	√
	1125 (1080)/60i	33.75	60	√	√	√	√
	1125 (1080)/50i	28.13	50	√	√	√	√
	1125 (1080)/24p	27	24	√	√	√	√
	1125 (1080)/24sf	27	48	√	√	√	√
1250 (1080)/50i	31.25	50	√	√	√	√	
Component	640 x 480 @60	31.5	70	√	√	√	√
	640 x 480 @70	31.5	59.94	√	√	√	√
	Mac 13 (640 x 480)	35	67	√	√	√	√
	640 x 480 @75	37.5	75	√	√	√	√
	852 x 480 @60	31.7	60	√	√	√	√
	800 x 600 @60	37.9	60	√	√	√	√
	800 x 600 @75	46.9	75	√	√	√	√
	800 x 600 @85	53.7	85	√	√	√	√
	Mac 16 (832 x 624)	49.7	75	√	√	√	√
	1024 x 768 @60	48.4	60	√	√	√	√
	1024 x 768 @70	56.5	70	√	√	√	√
	1024 x 768 @75	60	75	√	√	√	√
	1024 x 768 @85	68.7	85	√	√	√	√
	1024 x 768 @90	75	90	√	√	√	√
	Mac 21 (1152 x 870)	68.7	75	√	√	√	√
RGB	1280 x 1024 @60	64	60	√	√	√	√
	1280 x 1024 @75	80	75	√	√	√	√
	1280 x 1024 @85	91.1	85	√	√	√	√
	1600 x 1200 @60	75	60	√	√	√	√
	1067 x 600 @60	37.9	60.3	√	√	√	√
	1366 x 768 @60	48.4	60	√	√	√	√
	525 (480)/60i	15.73	59.94	√	√	√	√
	525 (480)/60p	31.47	59.94	√	√	√	√
	625 (575)/50i	15.63	50	√	√	√	√
	625 (575)/50p	31.25	50	√	√	√	√
	750 (720)/60p	45	60	√	√	√	√
	750 (720)/50p	37.5	50	√	√	√	√
	1125 (1080)/60i	33.75	60	√	√	√	√
	1125 (1080)/50i	28.13	50	√	√	√	√
	1125 (1080)/24p	27	24	√	√	√	√
1125 (1080)/24sf	27	48	√	√	√	√	
1250 (1080)/50i	31.25	50	√	√	√	√	

Panasonic Sales Company

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Have assembly and installation done by a qualified electrician. Specifications are subject to change without notice. Printed in Japan