

# HITACHI

## Inspire the Next



**42PD7000MA**

**42" Plasma Monitor**

### KEY FEATURES

- HD Ready (requires HDTV Digital Set Top Box)
- ALIS panel:
  - 1024 x 1024 resolution
  - 60,000 hour panel life (under normal video use)\*
- World first: 68.6 billion colours
- 1,200cd/m<sup>2</sup> panel brightness
- 1,000:1 contrast ratio
- 170 degree viewing angle
- Advanced dynamic contrast
- Digital colour management
- Fan-less design for silent operation
- Picture-in-Picture / Split-Picture
- Aspect ratio mode (Panoramic, Zoom, Cinema, Full, 4:3)
- Built-in Hitachi screen savers to prevent image burn-in
- Built-in amplifier with terminals for optional speakers
- Dynamic Bass / Matrix Surround Sound
- VGA-UXGA input for PC
- Twin component inputs (DVD/STB)
- DVI + HDMI digital inputs
- Headphone output
- Slim Space saving design
- Optional speakers, swivel desk stand and wall mount available
- 12 months warranty
- Speakers, stand and wall bracket optional

\* Average time until panel phosphors reach approximately half original brightness. Hours may vary depending upon operating conditions and environment.



		<b>42PD7000MA 42" (106cm) Plasma Display</b>
<b>Display Characteristics</b>	Effective display area ( HxV )	922mm x 522mm, (1,060mm diagonal)
	Aspect ratio	16 : 9
	Number of pixels (HxV )	1,024 x 1,024 pixels (A2 ALIS Panel)
	Pixel pitch (HxV )	0.90 x 0.51 mm
	Number of colours (grey levels)	<b>68.6 billion colours</b> (1024 grey scale)
<b>Input Signal</b>	Panel Brightness ( at white peak )	<b>1,200cd/m<sup>2</sup></b>
	Contrast ratio (Panel)	1,000:1 Typical
	Video Signal	PAL/ SECAM / NTSC4.43/ NTSC3.58/ PAL-M/ PAL-N
	Component Signal	480i/p, 576i/p, 720p(60), 1080i, (50/60), 1035i (60)
	Analog RGB Signal	VGA-UXGA, 1080i (50/60)
<b>Signal input and terminals</b>	DVI RGB Signal	H:24-62KHz V:48-85Hz Dclk:20-80MHz
	RGB input	RGB1 (DVI) +Audio : 24pin DVI
		RGB2 (RGB/Y,Pb,Pr)+Audio : Mini D-sub 15P *1 Audio : 3.5mm stereo mini jack
	Control terminal	1(RS-232C) : D-sub 9pin
	Video input	Video1 (CVBS/Y,Pb,Pr) +(L,R) : RCA pin
		Video2 (CVBS/Y,Pb,Pr) +(L,R) : RCA pin
		Video3 (CVBS,S-video) +(L,R) : RCA pin
Video4 (CVBS) +(L,R) : RCA pin		
Video5 (CVBS/S-video) +(L,R) : RCA pin (Side Input)		
<b>Video6 HDMI</b>		
<b>Signal output</b>	Speaker output	L+R (12W+12W at 6 ohm)
	head phone	Yes (side terminal)
	A/V output	1(CVBS+L/R) :RCA pin
<b>Picture</b>	Comb Filter	PAL :Advanced 3-Line NTSC : 3-D
	Noise Reduction	YNR / CNR
	LTI / CTI	YES
	AVL	YES (perfect Volume)
	Picture mode	ADVANCED P.MODE (Dynamic / Natural / Cinema)
	White Balance	4 (Cool, Normal, Warm, Black- White)
	Aspect ratio mode	5 (Panoramic, Zoom, Cinema, Full, 4:3)
	Dynamic Contrast	Yes (improved - Picture Master Processor)
	Color Management	Yes (improved - Picture Master Processor)
	1024 Progressive Processing	Yes. Internal processing at 1024p, ALIS display is 1024 interlaced.
	Film Theater (NTSC)	Yes (Film Mode)
<b>Sound</b>	Digital Amp.	Yes Full digital sound
	Surround	DynamicBass Matrix Surround
	Sound mode	4 (Movie, Music, Speech, Favorite)
	Audio Power (RMS)	12W+12W
<b>Operation</b>	OSD Languages	English, T-Chinese, S-Chinese, Russian, Japanese
	Timer	YES
	Side by Side Picture	YES
	P in P function (PC)	Main: PC, Sub: Video-X (X=1, 2, 3, 4, 5, 6)
	Wide Mode (Picture size):	
		Video (5-modes): Panoramic, Zoom, Cinema, Full, 4:3 PC (6-modes): Full, Real, Normal, Zoom1, Zoom2, Zoom3
<b>General</b>	Power supply	AC100-240V
	Frequencies	50/60 Hz
	Power consumption	380W
	stand-by	less than 3W
	Dimensions(W x H x D)	1,030 x 636 x 90 mm (Max 104 mm:Video Unit) (w/o speaker & stand)
	Weight	35.7kg (w/o speakers & stand)
Stand (Option)	Yes (Swivel)	

\*1: RGB2 can also accept component signals, selectable via the OSD (remote control).

Specifications subject to change without notice