

HITACHI
Inspire the Next

42PD5000 Series

42" Plasma Display



www.hitachidigitalmedia.com

- 42" (106cmV) Plasma Display
- Widescreen Viewing Ratio
- Incorporates Hitachi's new H³ Panel and I² Intelligent Image Chip Technology
- Pixel Pitch - 0.90 (H) x 0.51mm (V)
- 16.7 Million Colours for Clarity and Depth (256 grey scales)

PLATARA

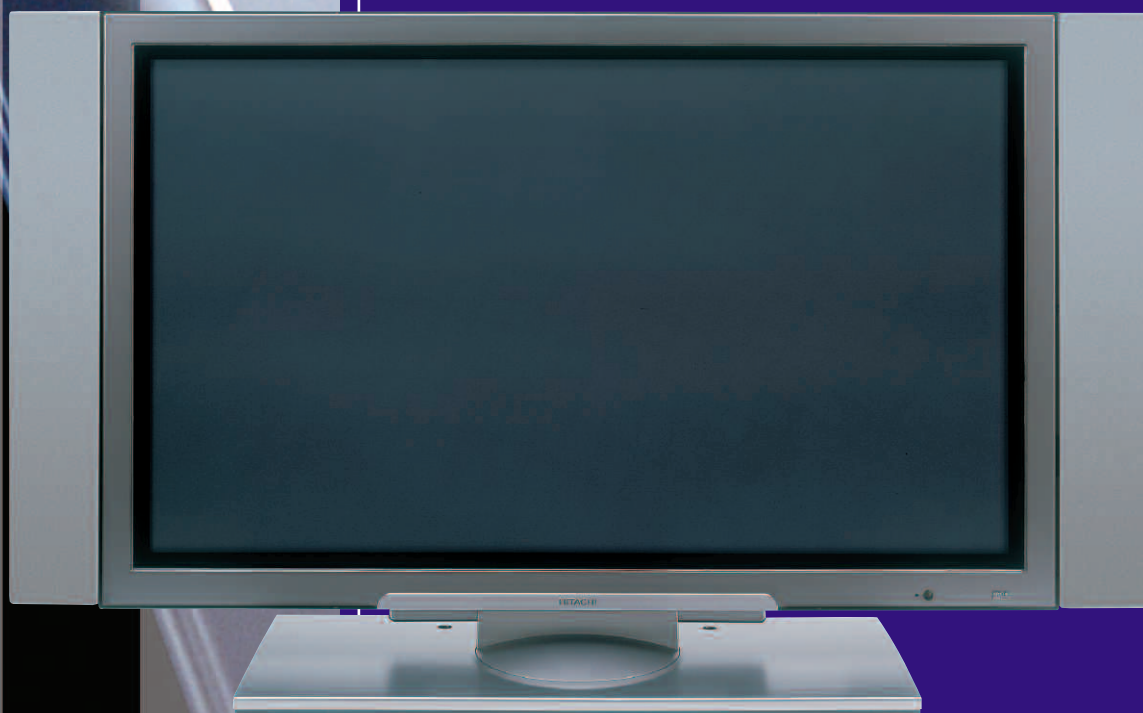
SRS 
TruBass

42" PLASMA DISPLAY

42PD5000 Plasma

This flagship 42" (106cmV) plasma display combines stunning design with cutting edge technology. Just 95mm deep, you can choose from a range of four combinations to suit your requirements. Hitachi have a plasma solution that will fit your needs.

- 42" (106cmV) Plasma Screen
- Widescreen Viewing Ratio
- Incorporates Hitachi's new H³ Panel and I² Intelligent Image Chip Technology
- Pixel Pitch - 0.90 (Horizontal) x 0.51mm (Vertical)
- 16.7 Million Colours for Clarity and Depth (256 grey scales)
- Brightview - using Alternative Lighting of Surfaces (ALIS) technology
- Incorporates TRUBASS technology and Matrix Sound
- Digital Colour Management - True Colour Reproduction
- Panel Luminance of 1100cd/m² for high brightness
- Contrast of 1000:1 to produce superior blacks
- 1 bit Digital Audio Amp
- 2 x 12W Audio Power Output
- PC Analogue Input
- PC Digital Input
- RS232C Control
- Detachable Speakers



* Speakers shown are an optional extra

42PD5000 includes the PDP screen which you can connect to your PC

*Speakers shown are optional



42PD5000 Series Plasma Display

Technical Specifications

Hitachi PDP (Plasma Display Panel) Monitor, which can only connect with PC.

PICTURE

Screen Size	42"/106cmV
Screen Type	Plasma
Pixels	1024 x 1024
Pixel Pitch	0.90 (horizontal) x 0.51mm (vertical)
Colours	16.7 Million
Gray Level	256
Panel Luminance (Typical)	1100 cd/m ²
Contrast	1000:1

AUDIO

RMS Output	2 x 12W
Surround Sound	Matrix
TRUBASS	•
1 bit AMP	•

CONNECTION

Connector RGB1 (digital)	24-pin DVI (1.0V+HDCP) (Not Available on 5300 Model)
Connector RGB2 (analogue)	15-pin D-sub
Control (RS232C)	9-pin D-sub, RS232C 9600bps
Audio for RGB1	L/R mini-headphone jack
Audio for RGB2	L/R mini-headphone jack

COMPUTER INPUT

RGB1	24-pin DVI (Not Available on 5300 Model)
Video Format	RGB digital, TMDS
Frequency	Horizontal: 31~62kHz, Vertical: 50~85Hz
Audio	Stereo, 470mV 270k Ω
RGB2	15-pin D-sub
Video Format	RGB analogue, 0.7V _{pp} , 75 Ω
Sync Level	H/V Separate Sync and H/V Composite Sync: TTL level
	Sync on Green: 0.3V _{pp} , 75 Ω
Frequency	Horizontal: 31~106kHz, Vertical: 50~85Hz
Audio	Stereo, 470mV High Impedance

CONTROLS

RGB	Contrast, Brightness, Display Size, Vertical Position, Horizontal Position, Clock, Phase
Colour Temperature	COOL: 9,300K, NORMAL: 7,600K, WARM: 6,500K Black & White 5,400K, USER: manual adjustment
Audio	Volume, Balance, Treble, Bass, Mute
Remote Control	Power, Volume Up/Down, Mute, Input Select, Adjustment Menu, ID select
RS232C	9-pin D-sub Control through PC

GENERAL

Voltage	AC 100~240V/50-60Hz
Power Consumption	365W / <3W
Stand-by	<2W
Weight	34.9 Kg (excluding speakers/stand)
Dimensions (WxHxD)	1030 x 636 x 91mm (excluding speakers/stand)
Stand	Optional (Swivel) CMPAD25

OPERATING CONDITION

Temperature	5~35°
Humidity	20~80%RH (non-condensing)
Pressure	800~1114hPa (reference value: max altitude 1888m)

CERTIFICATION

Safety	EN60065
EMI	EN50013
CE	EN55020, EN61000-3-2, EN61000-3-3

PLASMA

Options for your Plasma

Each goods will be provided at customers' request.

Interface Board Technical Specifications

FEATURES

Interface board fitting in the slot of video board allows PDP monitor to be operated by AVC BOX (AV3000E).

24 pin DVI connector on original PDP monitor and 8 pin DIN on interface board are connected with AVC BOX.

Connector 8 pin DIN

Tuner Board

- Includes Video Board Specification

Technical Specifications

FEATURES

Connector	RF Input
Input RF Frequency	45MHz~890MHz
Sound System	I/BGH/DK/LL
NICAM/A2	•/•
Teletext	•
Fastext/Toptext	•/•
WSS	16:9, C16:9 (Letterbox), T16:9L, C14:9L, T14:9L, 14:9, 14:9 Zoom, 4:3, Panoramic
Freeze	• only on TV
NR on Positions	•
PinP and PandP	4 pictures (main left and sub 3 small pictures on the right) 12 pictures

Video Board Technical Specifications

CONNECTORS

AV1	Phono x 4 (Component input and Composite input) Phono x 2 (Audio L and R input)
AV2	Phono x 4 (Component or RGB input, and Composite input) Phono x 2 (Audio L and R input)
AV3	Phono x 2 (Composite input and Composite output) S-terminal input (S-Video) Phono x 2 (Audio L and R input)
AV4	SCART (RGB input, Composite input, Composite or TV output, Audio L/R input and output, Mode select, Fast blanking)

INPUT SIGNAL FORMAT

Component	480i, 480p, 576i, 575p, 720p, 1080i (50/60)
Composite/S-Video	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60
RGB	Normal Video RGB (50/60)

FEATURES

PinPC and PandP	2 pictures (left half and right half) PinPC (large picture PC and small picture on bottom right)
COMB filter	3 line for PAL, 3D for NTSC

AV3000E Multi-Media Box Technical Specifications

PICTURE

Digital Noise Reduction	•
Digital Comb Filter	•
Black Stretch/Picture Boost/Vertical Enhancer	•/•/•
White Point-Cool/Normal/Warm	Variable
CTI/LTI	•/•
Screen Format Modes	8
WSS/SCART Signal Aspect Ratio Switching	•/•
Picture Modes Dynamic/Natural/Cinema/Favourite	•/•/•/•
Progressive Scan (625/50p / 525/60p)	•

TUNER

Easitune System/Programme Memory	•/100
Autosort/Manual Sort	•/•

SYSTEM

Cable/Hyperband	•
PAL/SECAM/PAL60/NTSC4,43/3.58	•/•/•/•/•
I/B.G.H/LL/DK.K	•/•/•/•

OPERATION

Sleep Timer	•
Screen Saver/Power Save	•/•
Split Screen Text/Picture	•/•
Picture in PC mode	•
Unified Remote TV/VCR/DVD	•/•/•
Fastext/Toptext	•/•
Teletext Page Memory	100
Viewlink (SCART 1)	•
OSD Languages	12

AUDIO

NICAM/A2	•/•
Audio Modes	Music/Speech/Cinema/Favourite

CONNECTIONS

SCART 1 S-VHS + AV in (TV out)	•
SCART 2 RGB + AV in (Monitor out)	•
SCART 3 RGB + AV in (Monitor out)	•
Progressive Scan/Component Input YCbCr/YPbPr	•/•
Headphone Socket/Front AV/Front S-VHS	•/•/•
S-VHS/Composite Output	•/•
Phono Audio Output	•
Centre Channel Input	•
PC Connection 15-pin HD D-sub/PC Sound	•/•

GENERAL

Demo Mode	•
Power Consumption/Standby	30W/< 2W
Weight	3.2kg
Dimensions (WxHxD)	430 x 85 x 240 mm
Finish	Silver

Also available pre-installed and configured for your convenience



PLATARA

42PD5100 includes the PDP screen with fitted video board – ideal solution for the Home Cinema enthusiast.



PLATARA
PURIST

42PD5200 includes the PDP screen with video board and tuner interface board plus speakers – perfect for home usage and for those who are looking for a self contained system.



PLATARA
PLUS

42PD5300 includes the PDP screen with the external MultiMedia Box - the ultimate system allows you to connect all your peripherals into one external box.

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The specification above and photography is for reference only and may be subject to change.