42PD9700

106cm Visible PLASMA

HITACHI
Inspire the Next

Hitachi's new 106cm visible Plasma Widescreen Television combines PICTURE MASTER HD Technology with stunning design. Offering a whole range of features, this outstanding IDTV Plasma will fit perfectly into any environment.

- 106cm Visible Plasma Widescreen Television
- PICTURE MASTER HD Technology
- Integrated Digital Television (IDTV Built-in)
- HD Ready
- New H^6 1080 Alis Panel (1024 x 1080)
- Panel Luminance of 1400cd/m^2
- Contrast Ratio 4000:1
- 2 HDMI Sockets
- 3 SCART Sockets
- USB Terminal + SD Card Reader
- Motorised Swivel Stand
- 1200 Text Pages

iF product design award gold 2006

HD PICTURE MASTER

TNT INTEGRÉE

digital TV
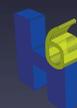
HD ready

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

SD

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When only the very best will do, the 42PD9700 is the choice for you. Suited to any environment, particularly in open spaces. With its built-in motorised swivel stand, you get perfect viewing and crystal clear sound from wherever you're sitting – or standing.

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PICTURE MASTER

Hitachi's PICTURE MASTER Technology, like all the best ideas, is easily explained. But behind the elegant simplicity of our flat panel TVs, there's a lot going on.

For Standard Definition material, Full Digital Signal Processing and Scaling ensures that the signal remains pure and clean, while High Quality Digital Image Pixel Processing Technology analyses every pixel in each image signal. Two hi-tech chips work together to handle the process.

Firstly, the new 1080 Progressive Processing system up-scales incoming signals, adding extra pixels to create unparalleled sharpness and detail to our HD ready panels. Then the Super Dynamic Contrast function analyses pictures to enhance picture quality in dark scenes and provide even richer blacks. For HD 1080 broadcasts the new Picture Master HD processor can display all 1080 lines without scaling ensuring the highest possible quality pictures.

In addition, Hitachi Plasma TVs boast 68.6 billion colours thanks to the 12-bit Advanced Digital Colour Management which reproduces 4093 colour graduations. Finally, there's the High Quality Video Motion processing system, with a High Speed Calculation process which controls every on-screen pixel to avoid any blurring.

Hitachi's unique technology gives our 9700 Series state-of-the-art picture quality.

1 HIGH RESOLUTION PANEL

2 ENHANCED COLOUR PALETTE

3 INTELLIGENT THINKING TECHNOLOGY

HDTV (High Definition Television)

Starting in Europe in 2006, HDTV will offer the best TV picture quality ever seen. At present, most people use either an analogue signal or a standard definition digital signal (SDTV) to receive broadcast television. HDTV will be a step beyond even the great improvement of digital SDTV.

HDTV uses many more pixels than present services offer, creating the strongest and most detailed TV image you can have. It's far sharper than a DVD is at present.

The majority of Plasma Televisions sold today are not HD ready. But thanks to Plasma and LCD technology from Hitachi, you can now future-proof your purchase by choosing a TV that is fully compatible with the new standard. Only HD ready panels such as ours will be capable of displaying high-definition digital sources.

Thanks to our revolutionary flat screen technology, Hitachi flat panel displays are the ideal choice if you're thinking of investing in a TV today. You need a display that's ready to cope with the extra demands that HDTV puts on your equipment – and ours are.

Standard Resolution

HDTV
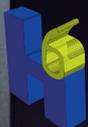
H⁶ Plasma Panel

With a palette of up to 68 billion colours, the H⁶ Plasma Panel provides high contrast levels to bring the most vivid colours to life.

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Technical Specifications

GENERAL	
Power supply	AC100-240V
Frequencies	50/60 Hz
Power consumption	370W
	<3W (stand-by)
Dimension (W x H x D)	1134 x 648 x 98mm (excluding stand)
	1134 x 728 x 350mm (including stand)
Weight	37.3kg (excluding stand)
	43.0kg (including stand)
Stand (Option)	Power Swivel

DISPLAY CHARACTERISTICS	
Effective display area (H x V)	922 x 522mm, (1059mm) diagonal
Aspect ratio	16:9
Number of pixels (H x V)	1024 x 1080 pixels (A4 ALIS)
Pixel pitch (H x V)	0.90 x 0.485mm
Number of colours (gray levels)	68.6 billion colours (1024 gray scale)
Transmission of front filter	36%
Brightness (at white peak)	Panel brightness : 1400cd/m²
Contrast ratio (Panel)	4000:1 Typical

INPUT SIGNAL	
RF	V/U/Cable/Hyperband
Signal	PAL B, G, H / I / D, K
	SECAM B, G/D, K/K1/L, L'
RF Multiplex	A2/NICAM
Text	1200 pages
Video Signal	PAL/SECAM/PAL60/NTSC4.43/NTSC3.58/
	PAL-M/PAL-N/SCART RGB
Component Signal	480i/p, 576i/p, 720p(50/60), 1080(50/60)
HDMI Signal Video mode	480i/p, 576i/p, 720p(50/60), 1080(50/60), VGA
Analog RGB Signal	VGA-UXGA (15kHz, 30 to 106kHz, 50Hz to 85Hz)

INPUT SIGNAL (DIGITAL TUNER PART)	
Digital tuner	●
Digital Teletext (MHEG 5)	● for "U" version
DVB EPG	● (7days)
Program Reminder & Event timer	●
Multi Language Subtitle Decoding and Display	●

SIGNAL INPUT AND TERMINALS	
RGB Input	RGB : Mini D-sub 15-pin
	Audio : Stereo mini jack
Control terminal	Service use only (RS-232C : D-sub 9-pin) Female
Video Input	Video1 (CVBS/S, L+R) : 21-pin SCART
	Video2 (CVBS/SCART-RGB, L+R) : 21-pin SCART
	Video3 (CVBS/SCART-RGB, L+R) : 21-pin SCART
	Video4 (CVBS/Y,Pb,Pr, L+R) : RCA pin
	Video5 (CVBS/S-video, + L+R) : RCA pin (Side Input)
	HDMI1 (Video)
	HDMI2 (Video) +3.5mm Stereo Mini Jack
Photo Input	● USB & SD

SIGNAL OUTPUT	
Headphone	●
Sub woofer out	●
A/V output	1 (CVBS+L/R) : RCA pin

PICTURE	
Comb Filter	3D Y/C Comb Filter
Noise Reduction	●
LTI/CTI	●
AVL	● (Perfect Volume)
Picture mode	3 (Dynamic, Natural, Cinema)
White Balance	4 (Cool, Normal, Warm, Black & White)
Dynamic Contrast	●
Colour Management	●
Film Mode	●

SOUND	
Surround	SRS WOW
Correction	BBE
Sound mode	4 (Movie, Music, Speech, Favourite)
Audio Power (RMS)	36W 3 way 10 speakers

OPERATION		
OSD Languages	Analogue TV	UK, SW, NO, FIN, DA, CZ, POL, HUN, SLO, CRO
	Digital TV	UK, FR, GE, SP, IT
Timer (Off/On)		●
Multi picture function		PIP
Wide Mode (Picture size)		TV/Video 5-mode PC 5-mode
	TV/Video	Panoramic, Zoom, Cinema, Full, 4:3
	PC	Full, Real, Normal, Zoom1, Zoom2, Zoom3
Side Input		●
Switches/buttons		Main Power Switch, Sub Power Switch
		Program Up/Down, Volume Up/Down
		Menu, Input select

02/06