500P30 Plasma Monitor

500P30

Reach a wider audience. Dazzle them, delight them, impress them. The Philips 500P30 is the best way yet to reach an audience and hold their attention. Its flat 50-inch display is not only impressively large, its images are stunningly beautiful.
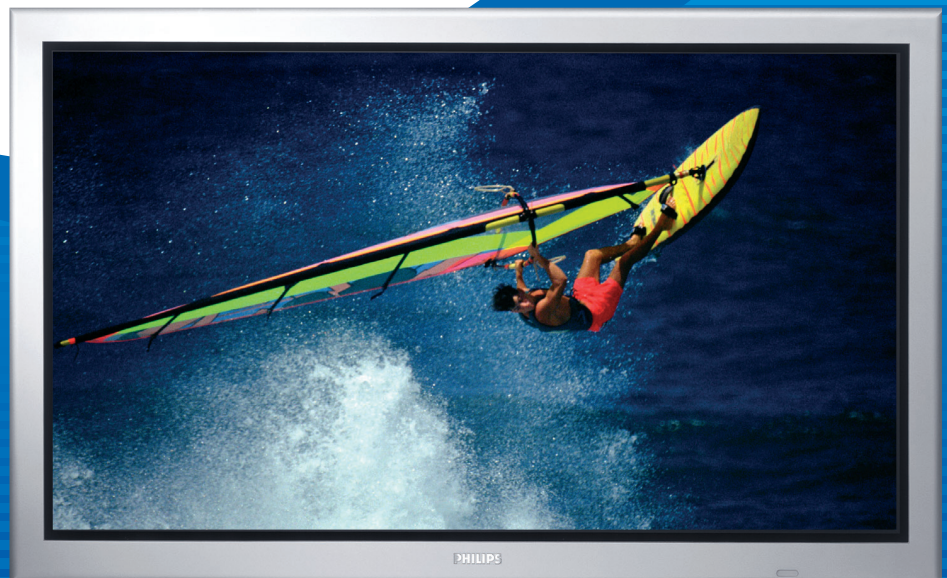
Broad Signal and Source Compatibility
The 500P30 can connect to and display signals from virtually any input source. It is compatible with PC signals from VGA to UXGA with multi scan functionality. VGA signals not Complying to one of the predefined formats, but within locking range will be automatically detected and displayed (full screen).

Dual Screen Mode: more than picture-in-picture. Dual screens let's you position computer and video images in different configurations around the screen.

Burn-in prevention. The phosphor protection system helps preventing phosphor burn and increases the usage time of the plasma monitor.

The AccuCrimson color filter technology produces the purest shade of red possible in a plasma display.

HD Plasma technology for extraordinary precision and resolution; one million pixels. The 500P30 uses a high-resolution panel with 1,365 x 768 pixels. With 0.81 x 0.81 pixel pitch, the high level density provides excellent clarity and crispness.

Let's make things better.

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500P30 Plasma Monitor
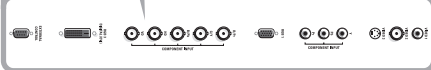
technical specifications

BRILLIANCE®
HIGH RESOLUTION MONITORS

External control input-output (RS-232C) enables control from a remote computer of many screen functions.

DVI input terminal for direct digital RGB input
The 420P30 incorporates a DVI input terminal, enabling direct digital input of RGB signals. It delivers clear, high-quality image output with virtually no flicker or jitter.

Monitor connectors

Display Panel		
	Type number	500P30
	Type	AC type Plasma Display Panel
	Screen size (viewable area)	622 (H) x 1106 (W) (50inch/1270mm diagonal)
	Aspect ratio	16:9
	Number of Pixels	Horizontal 1365 x Vertical 768
	Pixel pitch	0,81 x 0,81 mm
	Displayable Colors	16.77 milion (RGB 256 Gray Scale)
	Viewing angle	Over 160 degrees (all directions)
	Contrast ratio	1000:1
	Brightness	550 cd/m2 (w/o filter plate)

Signals	
Input signals Video	
CVBS: NTSC 3.58, 4.43; PAL 4.43 (B,G,D,H,I,N); PAL 3.58 (M,N); SECAM	
S-Video (Y/C)	
RGB+HV, YCbCr, YPbPr (480p, 480i, 720p, 1080i, 525i, 525p, 625i, 625p, 1035i)	
Computer	
PC and MAC compatible; Multi scan* VGA, SVGA, XGA, SXGA, UXGA, wVGA, wXGA, SXGA+	
Synchronisation range	
Horizontal locking range : 15.5 - 93.8 kHz (automatic step scan)	
Vertical locking range : 48 - 120.4 Hz (automatic step scan)	
Pixelclock clock range: 20 - 130 MHz (automatic step scan)	

Input/output connectors	
RGB	
Data1 (Analog) VGA in Mini D-sub 15pins	
Data2 (Analog) BNC** (R,G,B,H,V). Supports also HD sources	
Data3 (Digital) DVI-D in 29pins (not compatible with analog input)	
Video	
Video1 Composite RCA	
Video2 Composite BNC	
Video3 S-Video (Y/C) DIN 4pin	
HD Video1 (YPbPr, YCbCr) 1 set RCA Component	
HD Video2 (YPbPr, YCbCr) 1 set BNC** Component. Supports also RGB input	
External Control	
D-sub 9pin (RS232)	

Features		
	Dimensions (mm)	Product: 766 (H) x 1240 (W) x 107 (D) (50inch diagonal)
		Packaging: 917 (H) x 1390 (W) x 429 (D) (50inch diagonal) ***
	Weight	44,5 kg (net/set)
		54 kg (gross/unit)
	Power Consumption	+/- 440W (normal operation); <3W in stand-by
	Power Source	AC 100-240V, 50/60Hz

Environmental Facts			
	Fan Noise		20 dBA (at 25°C)
	Operation	- Temperature	0 to 40 °C
		- Humidity	20 to 80% (no condensation)
		- Altitude	0 to 2800 m (local air pressure ≥ 800 hPa)
	Storage	- Temperature	-10 to 50 °C
		- Humidity	10 to 90% (no condensation)
		- Altitude	0 to 3000 m

Regulations		
	Safety	CSA-E60065-00 (apply as CUL650); EN60950:2000; EN60065: 1998
	EMC	IEC61000-3-3; EN55013: 1990+A12+A13+A14; EN55020:
		1994+A11+A12+A13+A14; EN55022:1998; EN55024: 1998; (IEC61000-4-5);
		EN61000-3-2: 1995+A1+A2+A14; EN61000-3-3: 1995

Supplied accessories	
	Wall bracket (Flat-to-wall); AC Power cord; Remote Control (RC 19335009); Operating instructions; VGA cable (2m).
Logos	Flat TV, MatchLine
Other features	Menu Languages: English, French, German, Italian, Portuguese and Spanish.
	Continious Zoom. Cursor movable zoom window
	Dynamic graphical user interface. Easy, intuitive operation by feedforward and backtracking display.
	Full menu control of all functions through layered menus
	Onscreen status display for sources and functions (OSD)
	RS232 for external control
	Anti reflex coated glass screen
	Dual screen mode positions computer and video ranges togheter. Burn-in prevention to extend usage time of plasma. AccuCrimson color filter technology for most realistic colors.

Device	STANDARD	FORMAT H x V	LINE FREQ. [kHz]	FRAME FREQ. [Hz]
PC	VGA	640x400	31,5	70,1
PC	VGA	640x480	31,5	59,9
PC	VGA	640X480	37,9	72,8
PC	VGA	640x480	37,6	75,0
PC	VGA	640x480	43,3	85,0
PC	VGA	640x480	51,5	100,4
PC	VGA	640x480	61,3	120,4
PC	Wide VGA	848x480	31,0	60,0
PC	Wide VGA	852X480	31,7	60,0
PC	SVGA	800x600	35,2	56,3
PC	SVGA	800x600	37,9	60,3
PC	SVGA	800x600	48,1	72,2
PC	SVGA	800x600	46,9	75,0
PC	SVGA	800x600	53,7	85,1
PC	SVGA	800x600	63,0	99,8
PC	SVGA	800x600	75,7	120,0
PC	XGA	1024x768	48,4	60,0
PC	XGA	1024x768	56,5	70,1
PC	XGA	1024x768	60,0	75,0
PC	XGA	1024x768	68,7	85,0
PC	XGA	1024x768	80,5	100,6
PC	XGA	1152x864	67,5	75,0
PC	Wide XGA	1280x768	45,1	56,2
PC	Wide XGA	1360x765	47,7	60,0
PC	Wide XGA	1360x768	47,7	60,0
PC	Wide XGA	1376x768	48,3	59,9
PC	SXGA	1280x1024	64,0	60,0
PC	SXGA	1280x1024	80,0	75,0
PC	SXGA	1280x1024	91,1	85,0
PC	UXGA	1600x1200	75,0	60,0
PC	UXGA	1600x1200	81,3	65,0
PC	UXGA	1600x1200	87,5	70,0
PC	UXGA	1600x1200	93,8	75,0
MAC	MAC 13"	640x480	35,0	66,7
MAC	MAC 16"	832x624	49,7	74,6
MAC	MAC 19"	1024X768	60,2	74,9
MAC	MAC 21"	1152x870	68,7	75,1

Synchronisation Of VGA Input Signals
Horizontal locking range : 15.5 - 93,8 kHz
Vertical locking range : 48 - 120 Hz
Pixel clock range : 20 - 130 MHz

VGA signals not Complying to one of the predefined formats, but within locking range will be automatically detected and displayed (full screen).

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The Philips Guarantee
The Philips range of advanced plasma monitors combines reliability and unsurpassed performance with a host of technological innovations. All of which ensures that you enjoy an impressive picture. What else do you expect from the innovative world leader in sound and vision technology.

1-year warranty on Parts and Labour and free SWAP unit.
Every Philips plasma monitor comes with a full 1-year warranty****. This unique offer is backed up by the outstanding Philips First Choice service, including a toll-free helpline that offers you assistance and advice seven days a week. For more difficult problems, you are guaranteed a temporary replacement with free delivery, within 48-hours. It's simply an unbeatable package.

Extended warranty
If one year of warranty is not enough, an second year warranty can be bought at reasonable costs.

This model automatically converts these signals to the plasma's native resolution with no loss of information

**The 5 BNC connector accepts both RGB input and component input*

***Product is strapped including pallet*

**** *Light output of a PDP module gradually decreaes over long-term use. Do not display static images for prolonged periods: otherwise phosphor burn might appear on a part of the panel. Phosphor burn is not covered by the warranty.*
The plasma display panel consists of fine pixel elements (cells). Although Philips produces these plasma displays with more than 99.99% of their cells active, there may be some cells that do not produce light or remain lit after they should have turned off.

Let's make things better.

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