

42" Plasma Monitor



*A new era of multimedia presentations.
Introducing the new Philips BDH4211 plasma
monitor. Lighter, quieter, sharper, brighter, more
vivid, with high compatibility and connectivity.*

*A person receives over 70% of all information in
the blink of an eye.....the Philips plasma's
high-quality image reproduction will grab the
attention of crowds, from boardrooms to retail
shops.*

Contrast reserve™ enhances intelligently the
light output of a display, while keeping its picture
content undistorted and natural with maximum
contrast and light output. It's, among others, for
this that our plasma displays are often awarded
by the EISA (European Imaging and Sound
Association).



PHILIPS

BDH4211 Plasma Monitor

technical specifications

BRILLIANCE®
HIGH RESOLUTION MONITORS

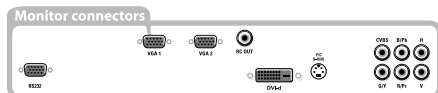
No Fan Cooling = no sound. For ultra quiet, 0dB operation the Philips BDH4211 plasma monitor features a new chasis layout and PDP panel offering improved power efficiency and cooling.

External control input-output. (RS-232C) enables control from a remote computer of many screen functions. In addition, the BDH4211 has a self-diagnostic mode that makes it possible to check the screen through peripherals connected via the RS-232C.

DVI input terminal for direct digital RGB input. The BDH4211 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.

SmartPort™. The BDH4211 incorporates an additional Flex-VGA connector. Herewith it is possible to connect another monitor to the plasma display or to have a dual data VGA input.

One million pixels for extraordinary precision and resolution. The BDH4211 uses a high-resolution panel with 1024 x 1024 pixels. Its 0.9 x 0.51 pixel pitch results in an extremely dense pixel grid. This density provides excellent clarity and crispness.



Device	STANDARD	FORMAT HxV	LINE [kHz]	FREQ. [kHz]	FRAME [Hz]	FREQ. [Hz]
PC	VGA	640x480	31.468 ±	±	±	59.940
PC	VGA	640x480	37.861 -	-	-	72.809
PC	VGA	640x480	37.500 -	-	-	75.000
PC	VGA	640x480	43.269 -	-	-	85.008
PC	Wide VGA	848x480	31.017 ±	±	±	59.995
PC	Wide VGA	852x480	30.057 ±	±	±	60.114
PC	Wide VGA	852x480	30.873 ±	±	±	61.257
MAC*	MAC13/11	640x480	35.000 ±	±	±	66.667
PC	SVGA	800x600	35.156 +	+	+	56.250
PC	SVGA	800x600	37.879 +	+	+	60.317
PC	SVGA	800x600	48.077 +	+	+	72.188
PC	SVGA	800x600	46.875 +	+	+	75.000
PC	SVGA	800x600	53.674 +	+	+	85.061
MAC	MAC 16"	832x624	49.722 ±	±	±	74.546
PC	XGA	1024x768	48.780 -	-	-	60.074
PC	XGA	1024x768	56.476 -	-	-	70.069
PC	XGA	1024x768	60.023 +	+	+	75.029
PC	XGA	1024x768	68.677 +	+	+	84.997
MAC	MAC 19"	1024x768	60.241 ±	±	±	74.924
MAC	MAC 17:	1152x870	68.681 -	-	-	75.062
PC	SXGA	1280x1024	63.981 +	+	+	60.020
PC**	SXGA	1280x1024	76.864 ±	±	±	72.037

Synchronisation Of VGA Input Signals

Horizontal locking range : 15.6 - 80 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).

Display Panel	Type number	BDH4211
	Type	AC type Plasma Display Panel with ALiS technology
	Screen size (viewable area)	522.3 (H) x 921.6 (V) (42inch diagonal)
	Aspect ratio	16:9
	Number of Pixels	Horizontal 1024 x Vertical 1024
	Pixel pitch	0.9 x 0.51 mm
	Displayable Colors	16.77 million (RGB 256 Gray Scale)
	Viewing angle	Over 160 degrees (all directions)
	Contrast ratio	1000:1
	Brightness	1000 cd/m2 (without filterplate)

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, 576p, 720p, 480i, 576i, 1080i)	
	Computer	
	PC and MAC compatible; Multi scan VGA*, XGA*, SXGA*	
	Synchronisation range	
	Horizontal locking range : 15.6 - 80 kHz (automatic step scan)	
	Vertical locking range : 48 - 120 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) FlexVGA (Loop-through/VGA in) Mini D-sub 15pins. Supports also HD sources	
	Data3 (Digital) DVI-D in 29pins (not compatible with analog input)	
	Video	
	Video1 (CVBS) CINCH	
	Video2 S-Video (Y/C) DIN 4pin	
	Video3 (RGB+HV,YCbCr (sync on green), YPbPr (sync on green)) 5* CINCH**	
	RC Out	
	CINCH	

Features	Dimensions (mm)	Product: 656 (H) x 1074 (W) x 89 (D) (42inch diagonal)
	Packaging:	952 (H) x 1490 (W) x 490 (D) (42inch diagonal) ***
	Weight	34.5 kg (net/ser)
		51.5 kg (gross/unit)
	Power Consumption	+/- 380W (normal operation); <2W in stand-by

Environmental Facts	Fan Noise	
	Operation	
	- Temperature	5 to 40 °C
	- Humidity	20 to 80% (no condensation)
	- Altitude	0 to 2000 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 EMC	CSA-E60065-00 (apply as CUL6500); IEC60065: 1998
		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+A1; CISPR13; CISPR20

Supplied accessories	Wall bracket (Flat-to-wall and limited tilt possibilities); AC Power cord; Remote Control (RC 19335009); Operating instructions; VGA cable (2m); Monitor Control Tool (CDROM included) for control of the plasma from PC/laptop	
	Brilliance BDH4211, Philips	
	Logos	
	Other features	
	Contrast reserve: enhances intelligently the light output of a display, keeping picture content undistorted and natural.	
	Menu Languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Swedish and Spanish.	
	Continuous 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)	

Specifications subject to change without notice

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.

* This model automatically converts these signal to the plasma's native resolution (1024x1024) with no loss of information
** The 5 CINCH connector accepts both RGB input and component input
*** Product is strapped including pallet
**** Light output of a PDP module gradually decreases 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.

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