Multiple applications, same outstanding picture

Turn heads and capture their attention with this wide VGA plasma monitor. Designed for indoor public display applications, the BDS4621 delivers outstanding picture and color display quality.

Convenient adaptability

- *Multiple PC input formats up to WXGA*
- *Built-in audio for quality sound performance*
- *Zoom function supports video wall matrix*
- *Quiet and reliable fanless operation*
- *Portrait mounting version also available*

Outstanding front of screen performance

- *High brightness and contrast ratio looks great anywhere*
- *High speed color rendering displays pure, natural colors*
- *De-contouring displays better gray levels at low luminance*
- *3D combfilter separates colors producing razor-sharp images*
- *TV screen can present a mosaic of different channels*

PHILIPS

46" Wide VGA Plasma Monitor

BDS4621/27

Commercial Specifications

Picture/Display

• Panel Size	46" / 117.8cm
• Aspect ratio	16:9
• Panel resolution	wVGA
	(854 x 480 pixels)
• Pixel pitch	1.182 x 1.182 mm
• Brightness	1000 cd/m²
• Brightness (nits)	1000 nit
• Contrast ratio	3000:1
• Display colors	16.7 Million colors
• Viewing angle	160 (H) / 160 (V)
• Horizontal Scanning	
Frequency	30-91 kHz
• Vertical Scanning	
Frequency	50 - 85 Hz
• Picture enhancement	3/2-2/2 motion pull
	down, 3D Combfilter,
	De-contouring,
	Picture in Picture

Supported Display Resolution

Resolution	Refresh Rate
• Computer formats	
640 x 480	60, 72, 75, 85Hz,
720 x 400	70Hz,
800 x 600	56, 60, 72, 75, 85Hz,
1024 x 768	60, 70, 75, 85Hz
• Video formats	
480i	60 Hz
480p	60 Hz
1080i	60 Hz
1080i	50 Hz
720p	50, 60 Hz
576i	50 Hz
576p	50 Hz
• MAC 640 x 480	67 Hz
• MAC 832 x 624	75 Hz
• VGA 640 x 400	85 Hz

Connectivity

• PC	DVI-D x1,
	VGA-in D-Sub 15HD,
	RS232 D-Sub9
• AV input	Component (YPbPr) x1,
	S-video x1,
	Composite (CVBS) x1,
	Audio (L/R) for YPbPr x1
• Audio input for video	Audio Left/Right
	(RCA x 2)
• AV output	Composite (CVBS) x1

Convenience

• Picture in Picture	Picture in Picture All
	Inputs, Double window
• RS232 controlability	yes
• Convenience	
Enhancements	On-screen Display
• Monitor Controls	Left/Right,
	Power On/Off,
	Up/Down
• OSD Languages	English, French,
	German, Italian, Spanish
• SRS sound processing	yes
• Built-in Audio	Built-in amplifier (2x10)
	and 2 Watts RMSx2
	stereo speakers
• DPMS	
power saving system	yes
• Screen saving functions	Full white, image
	reverse, pixel shift
• Regulatory Approvals	CE Mark, FCC-B,
	UL, CSA

Accessories

- • Included Accessories
  AC Power Cord, Remote Control, Battery, S- video cable, AV cable, 3xRCA to 3x RCA, Audio Cable, VGA cable
- • User Guide on CD-ROM (English)
- • Optional accessories
  Ceiling mount, Table top stand, Flexible wall mount, Fixed wall mount, Speakers

Power

• Consumption	330 Watts (average)
• Power supply	100-240VAC, 50/60Hz
• Sleep Mode	5 Watts Max.

Product Specifications

• UPC	00 37849 961179
• Dimensions	27.2" x 44.8" x 3.9"
(HxWxD)	691 x 1138 x 98 mm
• Product Weight	81.57 lbs. / 37 kg
• Temperature Range	
(Operation)	0 degree C to +40
• Relative Humidity	20% - 80 %
• Lifetime	
to 50% brightness	30000 hr

Miscellaneous

• Bezel	Silver

Warranty

- • 1-Year on-site

Product highlights

Serial controllability

A system by which IT staff can control and adjust monitors remotely via RS232 protocol.

High speed color rendering

It is difficult to do the color rendering for both NTSC and EBU color space in conventional PDP. The built-in 12-bit high speed circuit brings pure, rich natural color reproduction in both the NTSC and EBU color space

De-contouring

Conventional PDP's often show contouring in lower grey levels because of insufficient grey level resolution. A proprietary technology has been implemented to minimize contouring resulting in better and smoother gradients.

Zoom function for tiled matrix

If a video wall of multiple panels in a matrix of 2x2, 3x3, 4x4, etc. is required for an application, the video needs to be enlarged on each panel. This monitor has an internal zoom function that enables easy implementation of a video wall matrix, without the need for expensive external equipment to execute the zoom function.

Built-in audio amp with SRS

If an application requires better sound quality, then this monitor provides SRS surround sound processing, built-in speakers and the ability to connect bigger external speakers

Multiple PiP Modes

Multiple Picture-in-Picture modes allow you to simultaneously watch two video sources either picture-in-picture, side by side, or in a mosaic-view with still images.

Fanless operation

A system without fans is quiet and doesn't collect dust inside the monitor. No moving parts inside the monitor will thus improve the reliability of the product.

3D Combfilter

The 3D combfilter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure.

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