Philips
plasma monitor

46"
WVGA

BDS4621

High Quality Public Display Solution

46" Wide VGA Plasma Monitor

This large VGA plasma monitor is designed for indoor public display applications where outstanding picture quality and colour display quality count. Thanks to the size it is an effective eye catcher to guarantee optimal display of your message.

Operational flexibility

- Multiple PC input formats up to WXGA
- Built-in audio amplifier with SRS and speakers
- Enhanced zoom feature supports tiled matrix applications
- Quiet and reliable fanless operation
- Monitor is network controllable for remote management
- Portrait mounting version available

Optimised for public viewing

- High brightness (1000cd/m2) and 3000:1 contrast ratio
- High speed colour rendering for natural colour reproduction
- 3D combfilter separates colours for a razor-sharp image
- De-contouring for better gray level display at low luminance
- PiP allows watching a second source simultaneously

PHILIPS
sense and simplicity

Plasma monitor
46" WVGA

BDS4621/00

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 (typical): 3000:1
- Display colours: 16.7 million colours
- 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
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75, 85Hz
720 x 400	70Hz
800 x 600	56,60,72,75,85 Hz
1024 x 768	60, 70, 75, 85Hz

- MAC 640 x 480: 67 Hz
- MAC 832 x 624: 75 Hz
- VGA 640 x 400: 85 Hz
- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
1080i	60Hz
1080i	50Hz
720p	50, 60Hz
576i	50Hz
576p	50Hz

Connectivity
- PC: DVI-D x1, VGA-in D-Sub 15HD, RS232 D-Sub9, 3.5 mm PC audio input x1
- AV input: Component (YPbPr) x1, S-video x1, Composite (CVBS) x1, Audio (L/R) for YPbPr x1, Component (YPbPr) 2x
- Audio input for video: Audio Left/Right (RCA x 2)
- AV output: Composite (CVBS) x1
- Audio output: Stereo Audio (3.5 mm jack) 1x
- Connectivity Enhancements: External Loudspeaker connector

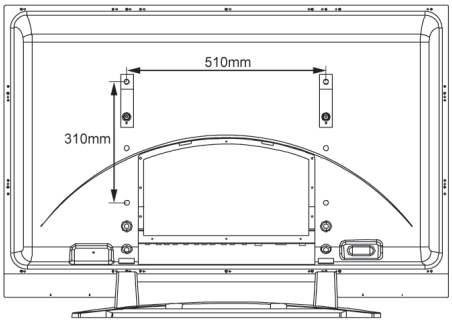
Convenience
- Picture in Picture: Picture in Picture All Inputs, Double window
- Network controllable: RS232
- Convenience Enhancements: On-screen Display
- Monitor Controls: Left/Right, Power On/Off, Up/Down
- OSD Languages: English, French, German, Italian, Spanish
- SRS sound processing
- Built-in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

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

Dimensions
- Dimensions (without base) (W x H x D): 1138 x 691 x 98 mm
- Weight: 37 kg
- Temperature range (operation): 0°C to 40°C
- Relative Humidity: 20% - 80%
- Lifetime to 50% brightness: 30000 hr

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
- Optional accessories: Ceiling mount, Table top stand, Flexible wall mount, Fixed wall mount, Speakers
- User Manual: English

Miscellaneous
- Bezel: Silver



Product highlights

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

Zoom function for tiled matrix
The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of 2x2, 3x3, 4x4 and 5x1 configurations.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

High brightness & contrast
High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

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

3D Combfilter
The 3D comb filter separates brightness and colour signals better in 3D domain to eliminate cross-colour, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the colour from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

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 minimise contouring resulting in better and smoother gradients.

Picture In Picture (PIP)
Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

Issue date 2007-12-01
Version: 4.0
12 NC: 8639 000 16137
EAN: 87 10895 88949 0

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