



Philips
plasma monitor

42"
WVGA

BDS4221

Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

State-of-the-art, cost-effective plasma monitor specially designed for indoor public display applications. The high-class scaler, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Optimised for public viewing

- PiP allows watching a second source simultaneously
- 3D combfilter separates colours for a razor-sharp image
- High brightness (1000 cd/m²) and 2000:1 contrast ratio
- Motion Adaptive De-interlacing for razor sharp images

Operational flexibility

- VGA Loop through
- Multiple video input formats up to SXGA and HDTV compatible
- Portrait mode operability
- Remote Management and Configuration via RS232
- Quiet and reliable fanless operation
- Built-in tuner and extended video connectivity
- Built-in audio amplifier with SRS and speakers
- Wide choice of analogue and digital connectivity

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Highlights

Multiple video input formats

In common use video content is often supplied in various formats in different resolutions and aspect ratios. Thus the content needs to be reformatted for optimal display on given screen resolution. A high-class scaler guarantees optimal reformatting of any video format up to SXGA.

VGA Loop through

Connect multiple displays to create a video wall of up to 150 displays via a VGA daisy chain thus enhancing your visual experience. With no additional hardware required, they are as simple to install as they are captivating to your audience.

Wide choice of connectivity

Versatile public display solutions require versatile analogue and digital connectivity.

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

Portrait mounting possible

This display can also be safely and reliably mounted in portrait position.

Fanless operation

Fanless operation is quiet and doesn't collect dust inside the monitor, thus improving product reliability.

Remote Management: RS232

Remote Management allows the user to control and adjust the displays remotely via the RS232 protocol. Using CEC commands, you are able to have full control over all the displays in your signage network at any time.

Built-in tuner/video connectors

Some applications need more than PC inputs. The RF tuner for television signal reception and the video connectors, including s-video, scart and component video, offer a wide choice of input possibilities for multiple devices.

High brightness and contrast.

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

Motion adaptive de-interlacing

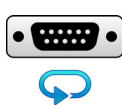
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimise the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

3D Combfilter

The 3D combfilter 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 combfilter 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.

Picture In Picture (PIP)

Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics



Specifications

Picture/Display

- Panel Size: 42"/106.7 cm
- Aspect ratio: 16:9
- Panel resolution: wVGA (854 x 480 pixels)
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1000 cd/m²
- Display colours: 16.7 million colours
- Contrast ratio (typical): 2000:1
- Viewing angle: 160° (H)/160° (V)
- Picture enhancement: 3D Combfilter, Picture in Picture
- Horizontal Scanning Frequency: 15–91 kHz
- Vertical Scanning Frequency: 50–85 Hz

Connectivity

- PC: DVI-D x 1, RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Component (YPbPr) x 1, S-video x 1, SCART x 1, Audio (L/R) for YPbPr x 1
- Other connections: Antenna
- Audio input for data: Audio Left/Right (RCA) 2 x
- Audio input for video: Audio Left/Right (RCA x 2)
- Audio cinch out: Analogue audio output L/R

Convenience

- Built-in Audio: Built-in amplifier and 5 Watts RMS x 2 stereo speakers
- Picture in Picture: Picture in Picture All Inputs, Double window
- Screen-saving functions: Full white, pixel shift
- User convenience: On-screen Display
- Monitor Controls: Power On/Off, Menu (OK), Source Select, Up/Down, Left/Right, Volume control
- Regulatory approvals: CE Mark, FCC-B, UL, CSA
- OSD Languages: English, French, German, Italian, Spanish
- Network controllable: RS232
- DPMS power saving system
- SRS sound processing
- Teletext: 10 pages

Power

- Power supply: 100-240 VAC, 50/60 Hz

- Consumption (On mode): 380 +/-10% Watts (at 110 Vac/colour bar pattern)
- Sleep Mode: 5W Max.

Supported Display Resolution

- Computer formats: 640 x 480, 60, 72, 75, 85 Hz, 800 x 600, 56, 60, 72, 75, 85 Hz, 720 x 400, 70 Hz, 1024 x 768, 60, 70, 75, 85 Hz, 1280 x 1024, 60 Hz
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 576p, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz
- MAC 640 x 480: 67 Hz
- MAC 832 x 624: 75 Hz
- MAC 1152 x 870: 75 Hz
- VGA 640 x 350: 70 Hz
- VGA 640 x 400: 50 Hz
- WVGA 852 x 480: 60 Hz

Dimensions

- Lifetime to 50% brightness: 25000 hour(s)
- Weight: 36.5 kg
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -5°C to +50°C
- Relative humidity: 20% - 80%
- Depth (with base): 291 mm
- Height (with base): 722 mm
- Width (with base): 1081 mm
- Depth (without base): 95 mm
- Width (without base): 1081 mm
- Height (without base): 677 mm

Tuner/Reception/Transmission

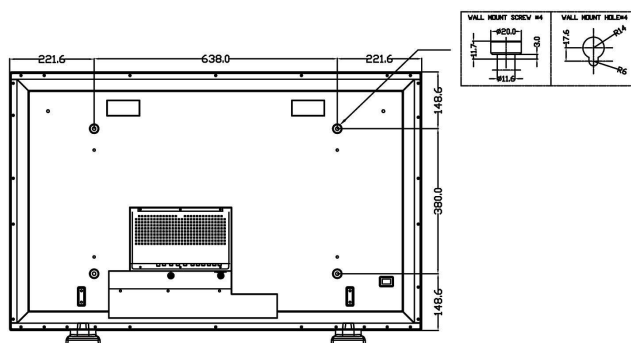
- TV system: PAL, SECAM

Accessories

- Included accessories: AC Power Cord, Battery, Remote Control, Tabletop stand, VGA cable
- User Manual: Eng, Ger, Dut, Fre, Spa, Ita, Por
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount

Miscellaneous

- Bezel: Silver



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