



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.

Operational flexibility

- Multiple video input formats up to SXGA and HDTV compatible
- VGA loop through to daisy chain other monitors
- Wide choice of analog and digital connectivity
- Built-in audio amplifier with SRS and speakers
- Portrait mode operability
- Quiet and reliable fanless operation
- Monitor is network controllable for remote management
- Built-in tuner and extended video connectivity

Optimized for public viewing

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

PHILIPS
sense and simplicity

Specifications

Picture/Display

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

Supported Display Resolution

Computer formats

- | Resolution | Refresh rate |
|-------------|----------------------|
| 640 x 480 | 60, 72, 75, 85Hz |
| 800 x 600 | 56, 60, 72, 75, 85Hz |
| 720 x 400 | 70Hz |
| 1024 x 768 | 60, 70, 75, 85Hz |
| 1280 x 1024 | 60Hz |
- 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
 - Video formats

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

Tuner/Reception/Transmission

- TV system: PAL, SECAM

Connectivity

- PC: DVI-D x1, RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- Audio input for data: Audio Left/Right (RCA) 2x
- AV input: Component (YPbPr) x1, S-video x1, SCART x1, Audio (L/R) for YPbPr x1
- Audio input for video: Audio Left/Right (RCA x 2)

- Audio cinch out: Analog audio output L/R
- Other connections: Antenna

Convenience

- Picture in Picture: Picture in Picture All Inputs, Double window
- Network controllable: RS232
- Convenience Enhancements: On-screen Display
- OSD Languages: English, French, German, Italian, Spanish
- Monitor Controls: Power On/Off, Menu (OK), Source Select, Up/Down, Left/Right, Volume control
- DPMS power saving system
- Built-in Audio: Built-in amplifier and 5 Watts RMSx2 stereo speakers
- SRS sound processing
- Teletext: 10 pages
- Screen saving functions: Full white, pixel shift
- Regulatory Approvals: CE Mark, FCC-B, UL, CSA

Power

- Consumption: 380 +/-10% Watts (at 110Vac/ color bar pattern)
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: 5 Watts Max.

Dimensions

- Dimensions (without base) (W x H x D): 1081 x 677 x 95 mm
- Dimensions (with base) (W x H x D): 1081 x 722 x 291 mm
- Weight: 36.5 kg
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -5°C to +50°C
- Relative Humidity: 20% - 80%
- Lifetime to 50% brightness: 25000 hr

Accessories

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

Miscellaneous

- Bezel: Silver

Product 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

In case more than one screen need to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor

Portrait mounting possible

This display is also able to be safely and reliably mounted in portrait position.

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.

Network controllability: RS232

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

Motion adaptive de-interlacing

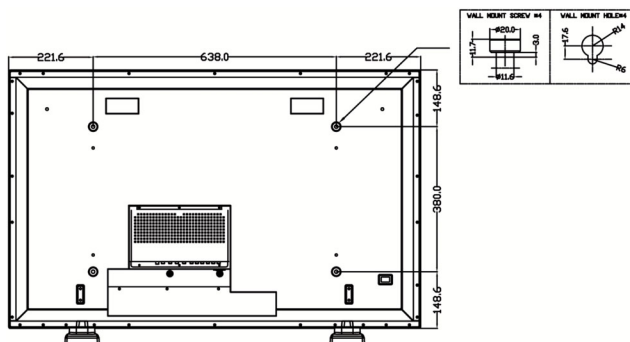
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

3D Combfilter

The 3D comb filter 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. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color 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



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