



Philips
plasma monitor

42"
WXGA

BDH4222V

High resolution versatile display solution

42" Wide WXGA Plasma Monitor

This large WXGA monitor is a real eye-catcher for indoor public areas thanks to its size and outstanding video performance. Razor sharp display of graphics and PC presentations make this monitor a welcome guest in boardrooms as well.

Lower total cost of ownership

- Long expected panel lifetime of over 60,000 hours

Optimised for public viewing

- PiP allows watching a second source simultaneously
- 3D combfilter separates colours for a razor-sharp image
- HDTV Signal Compatible to display HDTV content
- Motion Adaptive De-interlacing for razor sharp images
- 3:2 Pulldown eliminates artefacts when watching movies

Operational flexibility

- VGA Loop through
- Multiple PC input formats up to WXGA
- Portrait mode operability
- Remote Management and Configuration via RS232
- Quiet and reliable fanless operation
- Wide choice of analogue and digital connectivity

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Highlights

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.

Multiple PC input formats

The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

Wide choice of connectivity

Versatile public display solutions require versatile analogue and digital connectivity.

Fanless operation

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

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.

Portrait mounting possible

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

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.

HDTV Signal Compatible

This display is capable of accepting 1080i and 720p HDTV signals via an external HDTV decoder with RGB or Components Video outputs

3:2 Pulldown

3:2 Pulldown totally eliminates the unwanted artefacts that distort your picture viewing when watching movies. With these artefacts gone, you will enjoy the movie the way it is meant to be.

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.

Picture In Picture (PIP)

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

Long expected panel lifetime

In public display applications 24/7 operation is often required. Even after 60,000 hours of operation the brightness level of the display will be at least 50% of the initial value.



Specifications

Connectivity

- Audio output: Subwoofer Out, Stereo Audio (3.5 mm jack) 1 x
- PC: DVI-D x 1, RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Component (YPbPr) 2 x, S-video x 1, Composite (CVBS) x 1, Audio (L/R) for YPbPr 2 x
- Audio input for PC: Audio Left/Right (RCA 2 x)
- Audio input for data: Audio Left/Right (RCA) 2 x
- Audio cinch out: Analogue audio output L/R

Picture/Display

- Panel Size: 42"/106.7 cm
- Aspect ratio: 16:9
- Panel resolution: 1024 x 1024i
- Pixel pitch: 0.9 x 0.51 mm
- Brightness: 1100 cd/m²
- Display colours: 16.7 million colours
- Contrast ratio (typical): 1000:1
- Viewing angle: 160° (H)/160° (V)
- Picture enhancement: 3D Combfilter, 3/2 - 2/2 motion pull down, Motion adaptive de-interlacing, Picture in Picture
- Horizontal Scanning Frequency: 15–91 kHz
- Vertical Scanning Frequency: 50–85 Hz
- Effective viewing area: 921.6 x 522.24 mm

Convenience

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

Power

- Power supply: 100-240 VAC, 50/60 Hz
- Consumption (On mode): 390 Watts (colour bar)
- Sleep Mode: 10 Watts Max.

Supported Display Resolution

- Computer formats: 1280 x 1024, 60, 75, 85 Hz, 1280 x 960, 60, 85 Hz, 1024 x 768, 60, 70, 75, 85 Hz, 800 x 600, 56, 60, 72, 75, 85 Hz, 720 x 400, 70 Hz, 640 x 480, 60, 72, 75, 85 Hz, 640 x 480, 60 Hz
- Video formats: 480p, 60 Hz, 576p, 50 Hz, 1080i, 50, 60 Hz, 576i, 50 Hz, 480i, 60 Hz, 720p, 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
- WVGA 852 x 480: 60 Hz

Dimensions

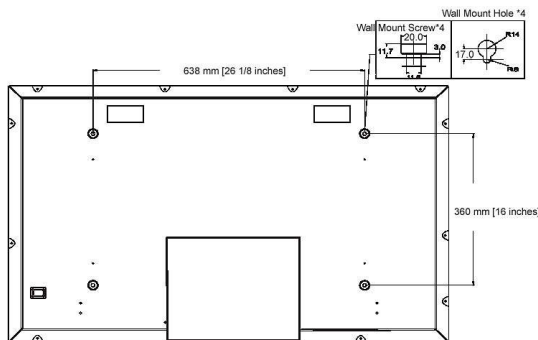
- Lifetime to 50% brightness: 80000 hour(s)
- Weight: 31.2 kg
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -5°C to +45°C
- Relative humidity: 20% - 80%
- Depth (with base): 220 mm
- Height (with base): 722 mm
- Width (with base): 1081 mm
- Depth (without base): 95 mm
- Width (without base): 1081 mm
- Height (without base): 677 mm

Accessories

- Included accessories: AC Power Cord, Battery, Remote Control, Tabletop stand, VGA cable
- User Manual: English, Spanish
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount
- User Guide on CD-ROM

Miscellaneous

- Bezel: Metallic Anthracite



Issue date 2024-03-24

Version: 5.0.6

EAN: 87 10895 90388 2

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