



Philips  
LCD monitor

107cm (42")  
multimedia  
WXGA

BDL4221V



## Robust Display for Demanding Applications

Control your costs with this rugged network-controllable 107 cm (42") LCD monitor. Whether used in a network, a tiled matrix or as a single public display, this model offers a variety of features to meet the most demanding applications

### Optimized for public viewing

- Wide format WXGA 1366 x 768 resolution for sharper display
- Brightness automatically adjusts with ambient conditions

### Designed for public areas

- Robust metal bezel and metal backcover
- Security feature prevents unauthorized control

### Operational flexibility for different applications

- Remote Management and Configuration via RS232
- Enhanced zoom feature supports tiled matrix applications
- VGA loop through enables daisy chaining to multiple monitors
- Portrait mode operability
- Quiet and reliable fanless operation

### Lower total cost of ownership

- Intelligent power management for lower consumption
- No permanent burn-in when static information is displayed

**PHILIPS**

# Highlights

## **WXGA 1366 x 768 resolution**

The wide format of XGA resolution LCD panel is capable of displaying 1366 x 768 pixels; WXGA allows monitors to be non-interlaced to ensure a better display performance and accurate color display effect.

## **Automatic brightness control**

The adjustment of display settings to correspond with ambient light without user intervention.

## **Robust metal bezel**

Specially designed for demanding public applications, the metal bezel offers higher durability and protection against vandalism. Anodized paint is used to offer extra protection of the bezel against scratches.

## **No unauthorized control**

The local controls of the display are placed in such a way that they are less visible for

immediate access. Furthermore the remote control sensor and the keypad on the display can be disabled via RS232 in order to prevent unauthorized control of the display when placed in a public space.

## **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.

## **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 many different configurations, creating a stunning video wall has become simplicity itself.

## **Signal loop through**

Multiple screen daisy chain effectively distributes control and visual content from a single source to an array of monitors in various locations within a site.

## **Portrait mounting possible**

This display is also able to 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.

## **Intelligent power management**

Intelligent power management employs energy-efficient technologies in product design to reduce power consumption and significantly lower the total cost of ownership.



# Specifications

## Picture/Display

- LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Pixel pitch: 0.227 x 0.681 mm
- Brightness: 600 cd/m<sup>2</sup>
- Contrast ratio (typical): 1200:1
- Display colors: 16.7 Million colors
- Viewing angle (H / V): 178 / 178 degree
- Response time (typical): 10 ms
- Optimum resolution: 1360 x 768 @ 60Hz
- Horizontal Scanning Frequency: 30 - 63 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Picture enhancement: 3D Combfilter, De-interlacer, Picture in Picture, Progressive scan

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60, 75Hz
720 x 400	70Hz
800 x 600	60, 75Hz
1024 x 768	60, 75Hz
1280 x 768	60Hz
1360 x 768	60Hz

### Video formats

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

## Connectivity

- PC: 3.5 mm PC audio input x1, DVI-D with HDCP, RS232 D-Sub9, RS232 D-sub9 output, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R) x1, S-video x1, SCART x1
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Audio output: Stereo Audio (3.5 mm jack) 1x, External loudspeaker connector

## Convenience

- Picture in Picture: 1 tuner PIP, Double window
- User convenience: Automatic Brightness Control, Automatic Overheat Warning, On-screen Display
- OSD Languages: English, French, German, Italian, Spanish, Simplified Chinese
- Detachable Audio: 2x10 W RMS Speakers
- Onboard Operating Controls: Hidden controls
- Other convenience: Cable management, Carrying handles, Kensington lock
- Plug & Play Compatibility: sRGB, Windows 98/ME/2000/XP
- Network controllable: RS232
- VESA Mount: 600 x 400 mm
- Regulatory approvals: C-Tick, CE Mark, FCC-B, UL, CSA, MPRII, TÜV/GS

## Power

- Consumption (On mode): typ. 140 W (PC)
- Power supply: Built-in, 90-264 VAC, 50/60 Hz
- Sleep Mode: <3W

## Dimensions

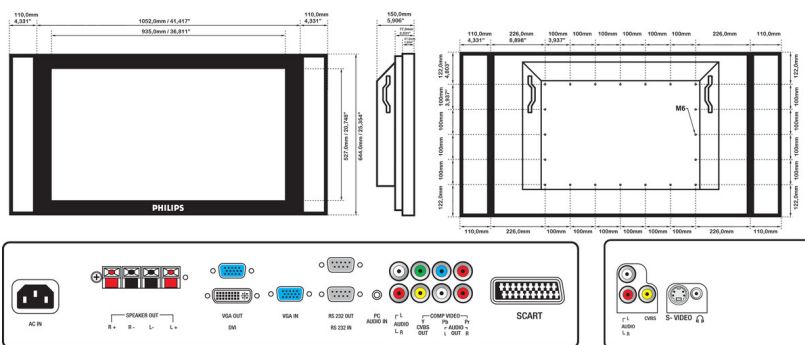
- Dimensions (w/o base & speakers) (W x H x D): 1052 x 644 x 150 mm
- Width (with speakers): 1272 mm
- Set dimensions in inch (W x H x D): 42.42 x 25.76 x 5.91 inch
- Width (with speakers) (inch): 50.079 inch
- Weight: 31 kg
- Product weight (lb): 68.34 lb
- MTBF: 50,000 hrs
- Temperature (operation): 0°C to +35°C
- Temperature range (operation): 32°F to 95°F
- Relative humidity: 5% - 90%

## Accessories

- Included accessories: Speakers (L/R), Table top stand (2 feet), DVI-D cable, VGA cable, Remote Control, Battery, AC Power Cord
- User Guide on CD-ROM

## Miscellaneous

- Warranty: 3 year
- Bezel: metallic anthracite



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