



Philips  
LCD monitor

117 cm (46")

multimedia  
HDTV monitor

BDL4631V

## Impress and involve your audience

This 117 cm (46") professional LCD monitor will deliver your message. 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

### **Operational flexibility for different applications**

- Hidden and lockable control buttons
- Remote Management and Configuration via RS232
- VGA loop through enables daisy chaining to multiple monitors
- Portrait mode operability

### **Lower total cost of ownership**

- Advanced anti image sticking function

### **Optimized for public viewing**

- Full HD LCD display, 1920x1080p
- Enhanced zoom feature supports tiled matrix applications
- HDMI input for full digital HD connection in one cable

### **Sustainable and safe**

- Complies with RoHS standards to care for the environment

# PHILIPS

# Highlights

## Full HD LCD display 1920x1080p

This display has a resolution that is referred to as Full HD. The state-of-the-art LCD screen technology has the full high-definition widescreen resolution of 1080 progressive lines, each with 1920 pixels. This allows the best possible picture quality for HD input signals with up to 1080 lines. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

## HDMI input



HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-

degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

## Portrait mounting possible

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

## Hidden and control buttons

The local control buttons of the display are placed in such a way that they are less visible for immediate access. Furthermore the remote control sensor as well as the local control buttons can be disabled via RS232 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.

## 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.

## Advanced anti image sticking

Static images left on-screen for extended periods of time may leave a "ghost image" or image sticking effect on LCD displays. Although image sticking in LCD displays is not permanent, you want to prevent this to happen, especially in locations where content is shown 24/7.

## Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## Zoom function for tiled matrix

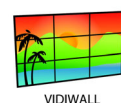
The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of a vidiwall of 25 displays by dividing up to 5 displays each horizontally and vertically.



HDMI



2x  
HDMI



# Specifications

## Picture/Display

- Diagonal screen size (metric): 116.8 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Pixel pitch: 0.53025 x 0.53025 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 450 cd/m<sup>2</sup>
- Display colors: 16.7 Million colors
- Contrast ratio (typical): 1500:1
- Response time (typical): 6 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Picture in Picture, Progressive scan, 3D MA deinterlacing
- Horizontal Scanning Frequency: 31.5 - 91.1 kHz
- Vertical Scanning Frequency: 58 - 85 Hz
- Display screen type: LCD Full HD W-UXGA Act. matrix

## Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x2, Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x 2, S-video x1, Audio (L/R)x2 for CVBS & S-Vid
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Connectivity Enhancements: External Loudspeaker connector

## Convenience

- Placement: Portrait, Landscape
- Regulatory approvals: CE Mark, RoHS, FCC Class A, UL
- OSD Languages: English, French, German, Italian, Spanish, Polish, Turkish, Russian
- Network controllable: RS232
- VESA Mount: 400 x 200 mm
- Detachable Audio: 2 x 7 Watts (optional) speakers

## Power

- Mains power: 90-264 VAC, 50/60 Hz

- Consumption (On mode): 165 W (typical)
- Standby power consumption: < 5W

## Supported Display Resolution

- Computer formats: 640 x 480, 60, 75Hz, 720 x 400, 70Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 720, 60Hz, 1280 x 768, 60Hz, 1360 x 768, 60Hz, 1600 x 1200, 60Hz, 1920 x 1080, 50, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 60Hz

## Dimensions

- Set height (with stand): 705 mm
- Set height (with stand) (inch): 27.8 inch
- Set Width: 1122 mm
- Set depth (with stand): 406 mm
- Set Height: 663 mm
- Set Depth: 138 mm
- Set depth (with stand) (inch): 16.0 inch
- Set Width (inch): 44.2 inch
- Set Height (inch): 26.1 inch
- Set Depth (inch): 5.4 inch
- MTBF: 50,000 (excl. CCFL 60,000) hrs

## Technical specifications

- Operating temperature range: 0 - 40 °C
- Relative humidity range: 5% - 90%

## Tuner/Reception/Transmission

- Video Playback: NTSC, PAL, SECAM

## Accessories

- Included accessories: HDMI-DVI adapter cable, VGA cable, Remote Control, Batteries for remote control, User manual on CD-ROM, AC Power Cord, Quick start guide
- Optional accessories: Table stand BM05211, Speakers BAL4631S1, Ceiling mount BM04111&BM01111, Fixed wall mount BM02111, Flex wallmount BM04111&BM02212

## Miscellaneous

- Bezel: metallic anthracite
- Warranty: Europe/North America: 3 years



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