

Philips  
LCD monitor

117 cm (46")  
multimedia Full HD

BDL4651VH



## Stunning picture quality

even in locations with high ambient brightness

Deliver crystal clear marketing messages, even in locations with lots of sunlight or bright conditions. The 1500 nit LCD display brings you incredible picture quality just about anywhere.

### Optimised for public viewing

- Projects a high brightness picture even in daylight
- Full HD LCD display, 1920 x 1080p
- Slim bezel design for a stylish look

### Operational flexibility

- Ideal for Sunlight Applications
- Smart insert in the back cover to place a small PC
- Enhanced zoom feature supports tiled matrix applications

### Lower total cost of ownership

- SmartPower for energy saving
- Brightness automatically adjusts with ambient conditions

### Sustainable and safe

- Temperature sensor measures the health condition
- Complies with RoHS standards of care for the environment

**PHILIPS**  
sense and simplicity

# Highlights

## High brightness — 1500 nits

Enjoy an excellent visual experience, even in areas illuminated by direct sunlight thanks to the 1500 nit panel. The high brightness offers a wide array of new implementation possibilities, especially in locations that have high ambient light levels, delivering crystal clear images for all locations where ambient brightness is an issue.

## Ideal for Sunlight Application

With an ultra high brightness panel, this model is ideal for installations in all kinds of environments, even in direct sunlight. However, it is vital to make sure that the display is thermally conditioned in an air-conditioned enclosure for such installations to ensure that black spots do not appear on the panel.

## Slim bezel

A slim bezel design adds a stylish look to a public display to blend in nicely in most environments. Furthermore, this design is ideal for tiled matrix video walls.

## SmartPower

The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

## Automatic brightness control

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

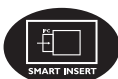
## Full HD LCD display 1920 x 1080p

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 colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

## Smart insert

Professional PCs are part of most public signage installations. Quite often they add additional depth to the public display and a lot of cable clutter. This public display contains a Smart insert in the back cover that will fit many professional small form factor PCs. In addition, it offers provisions for efficient cable management.



# Specifications

## Picture/Display

- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 1500 cd/m<sup>2</sup>
- Contrast ratio (typical): 4000:1
- Response time (typical): 8.5 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Display colours: 16.7 million colours
- Picture enhancement: 3/2 - 2/2 motion pull down, Motion compens. deinterlacing, Progressive scan, Dynamic contrast enhancement
- Pixel pitch: 0.53 x 0.53 mm

## Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x 1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 1, Audio (L/R) x 2
- AV output: Audio (L/R) x 1
- Other connections: External loudspeaker connector, AC-out, Component RCA x1

## Convenience

- Placement: Portrait, Landscape
- Tiled Matrix: Up to 5 x 5
- Picture in picture:: PIP
- Signal Loop Through:: RS232, VGA
- Keyboard control:: Hidden, Lockable
- Remote control signal:: Lockable
- Ease of installation: Carrying Handles, Smart Insert, AC Out
- Energy-saving functions:: Ambient light sensor, Smart Power
- Safety control functions:: Heat Control, Temperature Sensor
- Picture performance: Advanced colour control
- Packaging:: Reusable box
- Network controllable: RS232

## Dimensions

- Bezel thickness: 20 mm
- VESA Mount: 400 x 200 mm
- Set dimensions (W x H x D): 1060 x 616.5 x 124.2 mm
- Set dimensions in inch (W x H x D): 41.7 x 24.3 x 4.9 inch

## Operating conditions

- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 60,000 hour(s)

## Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Stand: BM05211

## Miscellaneous

- Bezel: metallic anthracite
- Guaranteed: Europe/North America 3 years
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese
- Regulatory approvals: CE, FCC, Class B, UL/cUL, CCC, RoHS

## Power

- Mains power: 90-264 V AC, 50/60 Hz
- Standby power consumption: <1 W

## Sound

- Built-in speakers: 2 x 12 W (RMS)

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
1024 x 768	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1440 x 900	60 Hz
1600 x 1200	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz
640 x 480	60, 67, 72, 75 Hz
800 x 600	56, 60, 72, 75 Hz

### Video formats

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



Issue date 2011-09-22

Version: 5.1.1

12 NC: 8670 000 76922  
EAN: 87 12581 60485 1

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