



Philips  
LCD monitor

46"

multimedia HD Ready

BDL4681XU

## Impress and capture your audience

with a Ultra slim bezel 46" LCD

Deliver your message with a stylish seamless videowall. Whether used in a 5 x 5 square matrix or in a 1 x 3 portrait set up, your audience will be astonished.

### Optimized for public viewing

- Wide format WXGA 1366 x 768 resolution for sharper display
- Slim bezel design for a stylish look
- Enhanced zoom feature supports tiled matrix applications
- Projects a high brightness picture even in daylight

### Operational flexibility for different applications

- Designed for 24/7 operation
- Smart insert in the backcover to place a small pc

### Lower total cost of ownership

- SmartPower for energy saving
- Brightness automatically adjusts with ambient conditions
- Advanced anti image sticking function

### Sustainable and safe

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

## Highlights

### Slim bezel

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

### 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 vidwall of 25 displays by dividing up to 5 displays each horizontally and vertically.

### High brightness

Allows daylight viewing even in large public environments with high ambient light conditions.

### Designed for 24/7 operation

Public signage displays are used in the most demanding applications. The displays are therefore specifically designed and tested for

heavy duty operation, even when 24/7 is required.

### Smart insert

Professional PC's 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 backcover that will fit many professional small form factor PC's. In addition it offers provisions for efficient cable management.

### 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.

### Temperature sensor

This public display contains a temperature sensor to monitor the internal health condition. In case the internal temperature surpasses the preset threshold, automatically two internal fans will be activated to cool down the display to normal conditions.

### 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.



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# Specifications

## Picture/Display

- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1366 x 768p
- Optimum resolution: 1360 x 768 @ 60Hz
- Brightness: 700 cd/m<sup>2</sup>
- Contrast ratio (typical): 3000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.7455 x 0.7455
- Display colors: 16.7 Million colors
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

## Supported Display Resolution

### • Computer formats

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

### • Video formats

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

## Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x1, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2, Component (BNC) x1
- AV output: Composite (BNC) x1, Audio (L/R) x1
- Other connections: External loudspeaker connector

## Convenience

- Placement: Portrait, Landscape
- Tiled Matrix: 5 x 5
- Picture in picture: PBP, PIP, POP

- Screen saving functions: Pixel shift, Low bright
- Signal Loop Through: RS232, VGA
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Ease of installation: Carrying Handles, Smart Insert
- Energy saving functions: Ambient light sensor, Smart Power
- Safety control functions: Heat Control, Temperature Sensor
- Picture performance: Advanced color control
- Packaging: Reusable box
- Network controllable: RS232

## Dimensions

- Bezel thickness: 2.7mm bottom/right, 4.6mm top/left
- Smart insert (WxHxD): 200 x 280 x 55 mm
- Smart insert in inch (WxHxD): 7.9 x 11.0 x 2.17 inch
- Set dimensions (W x H x D): 1026 x 581 x 133 mm
- Set dimensions in inch (W x H x D): 40.4 x 22.9 x 5.2 inch
- Product weight: 29 kg
- Product weight (lb): 63.9
- VESA Mount: 400x200mm (Set), 100x100mm (Smart insert)

## Operating conditions

- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 50.000 hour(s)

## Power

- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typical: 180W
- Standby power consumption: < 1W

## Sound

- Built-in speakers: 2 x 12 W (8 ohm)

## Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Optional accessories: Fixed wall mount, Flexible wall mount, Ceiling mount

## Miscellaneous

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



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Test leaflet, for internal use only!  
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