



Philips  
LCD monitor

42"

multimedia Full HD

**BDL4230E**

## The best all round public signage display

for indoor applications

Control your costs with this network-controllable 42" LCD monitor. Whether used in a network or as a single public display, this model offers a variety of features to meet the most demanding public and corporate viewing applications.

### **Optimised for public viewing**

- Full HD LCD display, 1920 x 1080p
- Enhanced zoom feature supports tiled matrix applications

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

- Designed for 24/7 operation
- Smart insert in the back cover to place a small PC
- Monitor is network controllable for remote management

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

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

### **Sustainable and safe**

- Complies with RoHS standards of care for the environment

**PHILIPS**  
sense and simplicity

# Highlights

## 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.

## 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.

## 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 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.

## Network controllability: RS232

Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

## 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.

## 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 on LCD displays is not permanent, you want to prevent this happening, 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.



# Specifications

## Picture/Display

- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 500 cd/m<sup>2</sup>
- Contrast ratio (typical): 1400:1
- Response time (typical): 5 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.485 x 0.485
- Display colours: 1.06 Billion colours
- 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, 75 Hz |
| 800 x 600   | 56, 60, 72, 75 Hz |
| 1024 x 768  | 60 Hz             |
| 1280 x 768  | 60 Hz             |
| 1280 x 800  | 60 Hz             |
| 1280 x 1024 | 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             |

### Video formats

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

## 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, Component (BNC) x 1, Composite (RCA) x 1, Composite (BNC) x 1, S-video x 1, Audio (L/R) x 2

- AV output: Composite (BNC) x 1, Audio (L/R) x 1
- Other connections: AC-out, 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: AC Out, Carrying Handles, Smart Insert
- Energy-saving functions:: Ambient light sensor, Smart Power
- Picture performance: Advanced colour control
- Packaging:: Reusable box
- Network controllable: RS232

## Dimensions

- Smart insert (WxHxD): 160 x 300 x 55 mm
- Smart insert in inch (WxHxD): 6.30 x 11.81 x 2.17 inch
- Set dimensions (W x H x D): 993 x 586 x 120 mm
- Set dimensions in inch (W x H x D): 39.1 x 23.1 x 4.7 inch
- Set dimensions with stand (H x D): 666 x 319 mm
- Set dimensions with stand in inch (H x D): 26.2 x 12.6 inch
- Product weight: 24 kg
- Product weight (lb): 52.91
- VESA Mount: 400 x 200 mm (Set), 100 x 100 mm (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: 125 W
- Standby power consumption: <1 W

## Sound

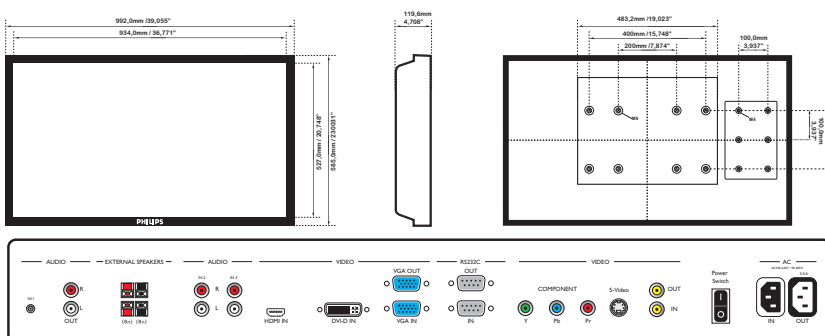
- Built-in speakers: 2 x 12 W (8 ohm)

## 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
- Stand: BM05411

## 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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