

Philips  
LCD monitor

117 cm (46")  
multimedia HDTV monitor

BDL4635E



## Impress and involve your audience

This 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

### Optimized for public viewing

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

### Operational flexibility for different applications

- Portrait mode operability
- Hidden and lockable control buttons
- Monitor is network controllable for remote management
- VGA loop through enables daisy chaining to multiple monitors

### Lower total cost of ownership

- Advanced anti image sticking function
- SmartPower for energy saving

### Sustainable and safe

- Complies with RoHS standards to care for the environment

**PHILIPS**  
sense and simplicity

# 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.

## 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.

## Network controllability: RS232

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

## 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.

## 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.



# Specifications

## Picture/Display

- Display screen type: LCD Full HD W-UXGA Act. matrix
- Diagonal screen size: 46 inch / 116.8 cm
- 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>
- Contrast ratio (typical): 3500:1
- Display colors: 16.7 Million colors
- Viewing angle (H / V): 178 / 178 degree
- Response time (typical): 8 ms
- Horizontal Scanning Frequency: 31.5 - 91.1 kHz
- Vertical Scanning Frequency: 58 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Picture in Picture, Progressive scan, 3D MA deinterlacing

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
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

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

## 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

- OSD Languages: English, French, German, Italian, Spanish, Polish, Turkish, Russian, Simplified Chinese
- Detachable Audio: 2 x 7 Watts (optional) speakers

- Network controllable: RS232
- Placement: Portrait, Landscape
- VESA Mount: 400 x 200 mm
- Regulatory approvals: CE Mark, RoHS, FCC Class A, UL, CCC

## Tuner/Reception/Transmission

- Video Playback: NTSC, PAL, SECAM

## Power

- Consumption (On mode): Typ. 162W
- Mains power: 90-264 VAC, 50/60 Hz
- Standby power consumption: < 5W

## Dimensions

- Set dimensions (W x H x D): 1122 x 663 x 138 mm
- Set dimensions in inch (W x H x D): 44.2 x 26.1 x 5.4 inch
- Set dimensions with stand (H x D): 705 x 406 mm
- Set dimensions with stand in inch (H x D): 27.8 x 16.0 inch
- MTBF: 50,000 (excl. CCFL 60,000) hrs
- Bezel thickness: 4.5 cm / 1.77 inch
- Product weight: 32.6 kg
- Product weight (lb): 71.9
- VESA Mount: 200x200mm, 400x200mm

## Technical specifications

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

## 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: Speakers BAL4631S1, Ceiling mount, Fixed wall mount, Flexible wall mount
- Stand: BM05211

## Miscellaneous

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

## Operating conditions

- MTBF: 50,000 hour(s)
- Relative humidity: 5 - 90 %
- Temperature range (operation): 0 - 40 °C



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