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

Operational flexibility for different applications
• Hidden and lockable control buttons
• Remote Management and Configuration via RS232
• VGA loop through enables daisychaining to multiple monitors
• Portrait mode operability

Lower total cost of ownership
• SmartPower for energy saving
• 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

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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.
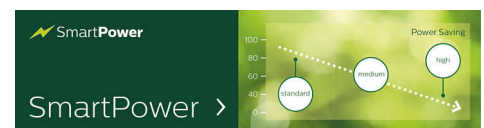
Compliant with RoHS standards
Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.
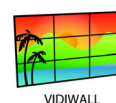
Zoom function for tiled matrix
The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of a vidiwall of 25 displays by dividing up to 5 displays each horizontally and vertically.

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
- 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/m²
- Display colors: 16.7 Million colors
- Contrast ratio (typical): 3500:1
- Response time (typical): 8 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, CCC
- OSD Languages: English, French, German, Italian, Spanish, Polish, Turkish, Russian, Simplified Chinese
- 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): Typ. 162W
- 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
- Bezel thickness: 4.5 cm / 1.77 inch
- Set height (with stand): 705 mm
- Set height (with stand) (inch): 27.8 inch
- Set Width: 1122 mm
- Product weight: 32.6 kg
- 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
- Wall Mount: 200x200mm, 400x200mm
- Set Depth (inch): 5.4 inch
- Product weight (lb): 71.9 lb
- 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

Operating conditions
- Temperature range (operation): 0 - 40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 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
- Bezel: metallic anthracite
- On-Screen Display Languages: English, French, German, Italian, Polish, Russian, Simplified Chinese, Turkish
- Warranty: Europe/North America: 3 years
- Regulatory approvals: CCC, CE, FCC, Class B, RoHS, UL/cUL

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