Philips
LCD monitor

117 cm (46")
multimedia
HD Ready

BDL4681XU

Impress and capture your audience

with an ultra slim bezel display

Deliver your message with a stylish seamless video wall. 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
- Advanced in factory color calibration
- High brightness for clearer images

Operational flexibility
- Smart insert in the backcover 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
- Advanced anti image sticking function

Sustainable and safe
- Temperature sensor measures the health condition

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Highlights

Slim bezel
A slim bezel design adds a stylish look to a public display to nicely blend in just about any environment. Furthermore this design makes the display ideal for tiled matrix video walls.

Advanced color calibration
Whether installing a video wall in a 3x3, 2x4 or 5x5 set up, you want the color performance of each image to be consistent in each display used. Therefore each display is specially calibrated in the factory to meet the highest standard of advanced video walls.

Smart insert
Professional PC's are part of most public signage installations. Quite often they increase the overall depth to the display and cause a lot of cable clutter. So we have designed this display with Smart insert in the backcoverwhich is ideal for the integration of a professional small form factor PC. On top of that, the cable management system offers a great solution to keep your cables neat and professional looking.

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 dispay 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.

High brightness
Enjoy a clearer image in areas with greater ambient brightness thanks to the 700 nit panel. Your audience can enjoy better image quality in locations that are away from direct sunlight yet still brighter than average, optimizing the viewing experience.

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BDL4681XU/00

Specifications

Picture/Display
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1366 x 768p
- Optimum resolution: 1360 x 768 @ 60Hz
- Brightness: 700 cd/m²
- 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
1280 x 1024	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

- 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, Component (BNC) x1, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2
- 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: B/R 2.4mm - 0.09 inch, T/L 4.3mm - 0.16 inch
- 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 578 x 133 mm
- Set dimensions in inch (W x H x D): 40.4 x 22.8 x 5.2 inch
- Product weight: 27.5 kg
- Product weight (lb): 60.6
- VESA Mount: 400x200mm (Set), 100x100mm (Smart insert)

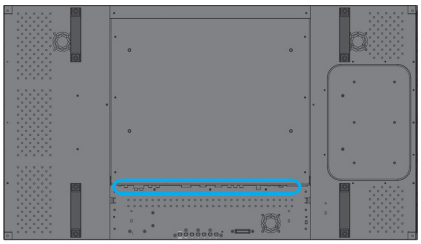
Operating conditions
- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 50.000 hour(s)

Power
- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typ. 212W
- 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, UL/cUL



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