



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.

Lower total cost of ownership

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

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

- Enhanced zoom feature supports tiled matrix applications
- Smart insert in the backcover to place a small pc

Sustainable and safe

- Temperature sensor measures the health condition

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Highlights

WXGA 1366 x 768 resolution

The wide format of XGA resolution LCD panel is capable of displaying 1366 x 768 pixels; WXGA allows monitors to be non-interlaced to ensure a better display performance and accurate color display effect.

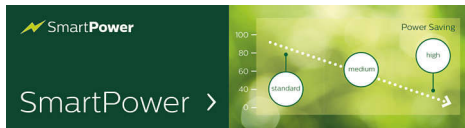
Slim bezel

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.

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.

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

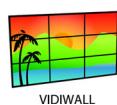
locations that are away from direct sunlight yet still brighter than average, optimizing the viewing experience.

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 back cover which 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.

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 many different configurations, creating a stunning video wall has become simplicity itself.



Specifications

Picture/Display

- Diagonal screen size (metric): 117 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Panel resolution: 1366 x 768p
- Pixel pitch: 0.7455 x 0.7455
- Optimum resolution: 1360 x 768 @ 60Hz
- Brightness: 700 cd/m²
- Display colors: 16.7 Million colors
- Contrast ratio (typical): 3000:1
- 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, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

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
- Picture in picture: PBP, PIP, POP
- Tiled Matrix: 5 x 5
- Screen saving functions: Pixel shift, Low bright
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, VGA
- 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
- Network controllable: RS232
- Packaging: Reusable box

Sound

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

Power

- Mains power: 90-264 VAC, 50/60 Hz

- Consumption (On mode): Typ. 212W
- Standby power consumption: < 1W

Supported Display Resolution

- Computer formats: 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: 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz

Dimensions

- Bezel thickness: 5.7 mm
- Smart Insert mount: 200 x 280 x 55 mm
- Smart insert in inch (WxHxD): 7.9 x 11.0 x 2.17 inch
- Set Width: 1026 mm
- Product weight: 27.5 kg
- Set Height: 578 mm
- Set Depth: 133 mm
- Set Width (inch): 40.4 inch
- Set Height (inch): 22.8 inch
- Wall Mount: 400x200mm (Set), 100x100mm (Smart insert)
- Set Depth (inch): 5.2 inch
- Product weight (lb): 60.6 lb

Operating conditions

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

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



Issue date 2024-03-25

Version: 1.0.1

EAN: 87 12581 60684 8

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