



Philips
LCD monitor

42"

multimedia Full HD

BDL4251V

Impress and capture your audience

with a slim bezel 42" LCD

Deliver your message in the most demanding applications with this stylish 42" LCD display. Whether used in a network environment, a tiled matrix set up or as a single public display, your audience will be astonished.

Optimized for public viewing

- Full HD LCD display, 1920x1080p
- Slim bezel design for a stylish look
- Enhanced zoom feature supports tiled matrix applications
- Projects a high brightness picture even in daylight

Operational flexibility for different applications

- Designed for 24/7 operation
- Smart insert in the backcover to place a small pc

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
- 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.

Slim bezel

A slim bezel design adds a stylish look to a public display to nicely blend in most environments. Furthermore this design is ideal for tiled matrix video walls.

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.

High brightness

Allows daylight viewing even in large public environments with high ambient light conditions.

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 PC's 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 backcover that will fit many professional small form factor PC's. In addition it offers provisions for efficient cable management.

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

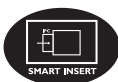
This public display contains a temperature sensor to monitor the internal health condition. In case the internal temperature surpasses the preset threshold, automatically two internal fans will be activated to cool down the display to normal conditions.

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.

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: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 700 cd/m²
- Contrast ratio (typical): 1100:1
- Response time (typical): 9 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.485 x 0.485
- Display colors: 1.06 Billion 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
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, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2, Component (YPbPr) x1
- AV output: Composite (BNC) x1, Audio (L/R) x1
- 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
- Safety control functions:: Heat Control, Temperature Sensor
- Picture performance: Advanced color control
- Packaging:: Reusable box
- Network controllable: RS232

Dimensions

- Bezel thickness: 1.6 cm / 0.63 inch
- 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): 968 x 559 x 123 mm
- Set dimensions in inch (W x H x D): 38.1 x 22 x 4.8 inch
- Set dimensions with stand (H x D): 606 x 405 mm
- Set dimensions with stand in inch (H x D): 23.9 x 15.9 inch
- Product weight: 22 kg
- Product weight (lb): 48.5
- 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): Typical: 165W
- Standby power consumption: < 1W

Sound

- Built-in speakers: 2 x 5 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: Table stand BM05211, 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



Issue date 2010-01-11

Version: 3.3.2

12 NC: 8670 000 62114
EAN: 87 12581 53759 3

© 2010 Koninklijke Philips Electronics N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com