Philips
LCD monitor

117 cm (46")
multimedia
Full HD

BDL4651VH

Stunning picture quality

even in locations with high ambient brightness

Deliver crystal clear marketing messages even in locations with high sunlight or brightness conditions. The 1500 nit LCD display brings you incredible picture quality just about anywhere.

Operational flexibility for different applications
• 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

Optimized for public viewing
• Full HD LCD display, 1920x1080p
• Slim bezel design for a stylish look
• Advanced in factory color calibration
• Projects a high brightness picture even in daylight

Sustainable and safe
• Temperature sensor measures the health condition
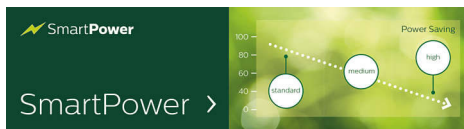• Complies with RoHS standards to care for the environment

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Highlights

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.

Automatic brightness control

The adjustment of display settings to correspond with ambient light without user intervention.

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.

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.

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.

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.

High brightness - 1500 nits

Enjoy an excellent visual experience even in areas illuminated by direct sunlight thanks to the 1500 nit panel. The high brightness offers a wide array of new implementation possibilities especially in locations that have high ambient light levels, delivering crystal clear images for almost all locations where ambient brightness is an issue. However, it is vital to make sure that the display is thermally conditioned in an air-conditioned enclosure for such installations. Please see instruction book for details on environmental operating conditions.

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.
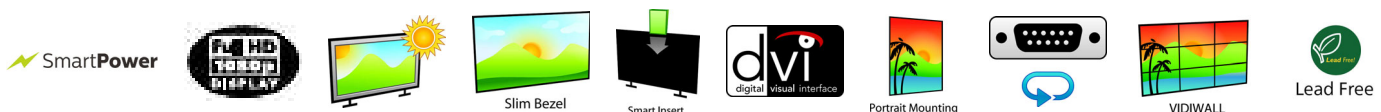
Smart Insert

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.

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.

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 · Slim Bezel · Smart Insert · Portrait Mounting · VIDIWALL · Lead Free

Specifications

Picture/Display
- Diagonal screen size (metric): 117 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Panel resolution: 1920x1080p
- Pixel pitch: 0.53 x 0.53 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 1500 cd/m²
- Display colors: 16.7 million colors
- Contrast ratio (typical): 4000:1
- Response time (typical): 8.5 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, Motion compens. deinterlacing, Progressive scan, 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, Audio (L/R) x2
- Other connections: AC-out, External loudspeaker connector, Component RCA x1

Convenience
- Placement: Portrait, Landscape
- Picture in picture: PIP
- Tiled Matrix: Up to 5 x 5
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, VGA
- 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
- Network controllable: RS232
- Packaging: Reusable box

Sound
- Built-in speakers: 2 x 12W (RMS)

Power
- Mains power: 90-264V AC, 50/60Hz
- 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, 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
- Set Width: 1060 mm
- Set Height: 616.5 mm
- Set Depth: 124.2 mm
- Set Width (inch): 41.7 inch
- Set Height (inch): 24.3 inch
- Wall Mount: 400 x 200 mm
- Set Depth (inch): 4.9 inch

Operating conditions
- Temperature range (operation): 0 - 40 °C
- MTBF: 60,000 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
- Stand: BM05211

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, UL/cUL, CCC, RoHS

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