



Philips
LCD monitor

94 cm (37")
multimedia WXGA

BDL3731V

Striking Display for Indoor Public Applications

Control your costs with this network-controllable 94 cm/37" LCD monitor. Whether used in a network or as a single public display, this model offers a variety of features to meet the most demanding public and corporate viewing applications.

Optimized for public viewing

- Wide format WXGA 1366 x 768 resolution for sharper display
- HDMI input for full digital HD connection in one cable
- Motion compensated deinterlacing
- 3D combfilter separates colors for a razor-sharp image
- PiP allows watching a second source simultaneously

Lower total cost of ownership

- Backlight control
- Extensive accessory package

Operational flexibility for different applications

- Monitor is network controllable for remote management
- Portrait mode operability
- Hidden and lockable control buttons

PHILIPS
sense and simplicity

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.

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.

Motion comp. deinterlacing

Motion compensated deinterlacing employs a smart deinterlacing algorithm that uses the images in a digital memory to measure and estimate the motion speed and direction of objects to create new fields with corrected motion positions so video content has

perfectly smooth, judder-free, and razor-sharp moving images.

3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Picture In Picture (PIP)

Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

Backlight control

Dependent on the ambient lighting of your public or corporate environment you might want to adapt the intensity of the light output of your display. Decreasing the backlight level could save a lot of power consumption,

especially in public areas where displays operate for many hours every day.

Extensive accessory package

This display is standard equipped with an accessory package that includes a remote control, user manual, DVI and VGA cables, a table top stand (feet) and (detachable) speakers.

Network controllability: RS232

Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

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.



Specifications

Picture/Display

- LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
- Panel Size: 37" / 94cm
- Aspect ratio: 16:9
- Pixel pitch: 0.6 x 0.6 mm
- Brightness: 500 cd/m²
- Dynamic screen contrast: 1600:1
- Display colors: 16.7 Million colors
- Viewing angle (H / V): 178 / 178 degree
- Response time (typical): 8 ms
- Optimum resolution: 1366 x 768 @ 60Hz
- Horizontal Scanning Frequency: 30 - 80 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Picture by Picture, Picture in Picture, Progressive scan

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75Hz
720 x 400	70Hz
800 x 600	60, 72, 75Hz
848 x 480	60Hz
1024 x 768	60, 70, 75Hz
1280 x 1024	60Hz
1280 x 768	60Hz
1360 x 768	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Connectivity

- PC: DVI-D with HDCP, RS232 D-Sub9, VGA-in D-Sub 15HD
- Audio input for PC: Audio Left/Right (RCA 2x)
- Audio input for DVI: Audio Left/Right (RCA 2x)
- AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R)x2 for CVBS & S-Vid, S-video x1, Scart 2x
- AV output: Composite (CVBS) x1, Audio (L/R) x1

- Audio output: Speaker Out 2x mini-jack 3.5mm
- Other connections: HDMI in 2x

Convenience

- User convenience: On-screen Display
- Monitor Controls: Left/Right, Menu (OK), Power On/Off, Source Select, Up/Down, Volume control
- OSD Languages: English, French, German, Italian, Spanish, Dutch, Portuguese, Simplified Chinese
- Built-in Audio: Built-in amplifier and 10 Watts RMSx2 stereo speakers
- Network controllable: RS232
- Teletext: 1000 page Smart Text
- Placement: Portrait, Landscape
- Regulatory approvals: C-Tick, CE Mark, FCC-B, UL, CSA, RoHS

Power

- Consumption (On mode): typ. 170 W
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: <7W

Dimensions

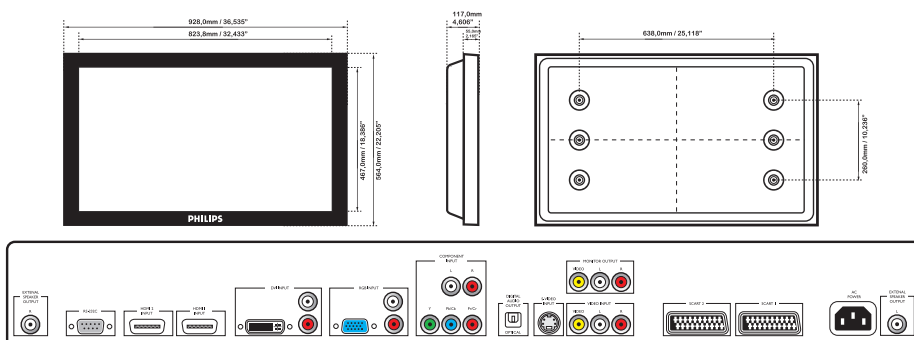
- Dimensions (w/o base & speakers) (W x H x D): 928 x 564 x 117 mm
- Set dimensions in inch (W x H x D): 36.56 x 22.22 x 4.61 inch
- Product weight: 28 kg
- Product weight (lb): 61.73
- MTBF: 50,000 hrs
- Temperature (operation): 0°C to +40°C
- Temperature (storage): -20°C to +60°C
- Temperature range (operation): +32°F to +104°F
- Temperature range (storage): -4°F to 140°F
- Relative humidity: 5% - 90%

Accessories

- Included accessories: Table top stand, DVI-D cable, VGA cable, Remote Control, Battery, AC Power Cord
- Optional accessories: Ceiling mount BM04111&BM01111, Fixed wall mount BM02111, Flex wallmount BM04111&BM02212
- User Guide on CD-ROM

Miscellaneous

- Warranty: Europe/ North America: 3-year, APMEA: 1 year
- Bezel: metallic anthracite



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