Philips
LCD monitor

46"
multimedia
HDTV monitor

BDL4631V

Impress and involve your audience

This 46" professional LCD monitor will deliver your message. Whether used in a network, a tiled matrix or as a single public display, this model offers a variety of features to satisfy the most demanding applications

Operational flexibility for different applications
• Hidden and lockable control buttons
• Monitor is network controllable for remote management
• VGA loop through enables daisy chaining to multiple monitors
• Portrait mode operability

Lower total cost of ownership
• Advanced anti-image sticking function

Optimised for public viewing
• Full HD LCD display, 1920 x 1080p
• Enhanced zoom feature supports tiled matrix applications
• HDMI input for full digital HD connection in one cable

Sustainable and safe
• Complies with RoHS standards of care for the environment

PHILIPS

Highlights

Full HD LCD display 1920 x 1080p

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 colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analogue 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 backwards-compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

Portrait mounting possible

This display can also 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 and the local control buttons can be disabled via RS232 to prevent unauthorised control of the display when placed in a public space.

Network controllability: RS232

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

Signal loop through

Multiple screen daisy chain effectively distributes control and visual content from a single source to an array of monitors in various locations within a site.
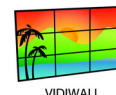
Advanced anti-image sticking

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 on LCD displays is not permanent, you want to prevent this happening, 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.

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.

Portrait Mounting

Lead Free

PIP
PICTURE-IN-PICTURE

VIDIWALL

2x
HDMI

Specifications

Picture/Display
- Diagonal screen size (metric): 116.8 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Pixel pitch: 0.53025 x 0.53025 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Display colours: 16.7 million colours
- Contrast ratio (typical): 1500:1
- Response time (typical): 6 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, Picture in Picture, Progressive scan, 3D MA deinterlacing
- Horizontal Scanning Frequency: 31.5 - 91.1 kHz
- Vertical Scanning Frequency: 58 - 85 Hz
- Display screen type: LCD Full HD W-UXGA Act. matrix

Connectivity
- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 2, Component (YPbPr) x 1, Audio (L/R) for YPbPr x 1, Composite (CVBS) x 2, S-video x 1, Audio (L/R) x 2 for CVBS and S-Vid
- AV output: Composite (CVBS) x 1, Audio (L/R) x 1
- Connectivity Enhancements: External Loudspeaker connector

Convenience
- Placement: Portrait, Landscape
- Regulatory approvals: CE Mark, RoHS, FCC Class A, UL
- OSD Languages: English, French, German, Italian, Spanish, Polish, Turkish, Russian
- Network controllable: RS232
- VESA Mount: 400 x 200 mm
- Detachable Audio: 2 x 7 Watts (optional) speakers

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

- Consumption (On mode): 165 W (typical)
- Standby power consumption: < 5 W

Supported Display Resolution
- Computer formats: 640 x 480, 60, 75 Hz, 720 x 400, 70 Hz, 800 x 600, 60 Hz, 1024 x 768, 60 Hz, 1280 x 720, 60 Hz, 1280 x 768, 60 Hz, 1360 x 768, 60 Hz, 1600 x 1200, 60 Hz, 1920 x 1080, 50, 60 Hz
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz, 1080p, 60 Hz

Dimensions
- Set height (with stand): 705 mm
- Set height (with stand) (inch): 27.8 inch
- Set Width: 1122 mm
- Set depth (with stand): 406 mm
- Set Height: 663 mm
- Set Depth: 138 mm
- Set depth (with stand) (inch): 16.0 inch
- Set Width (inch): 44.2 inch
- Set Height (inch): 26.1 inch
- Set Depth (inch): 5.4 inch
- MTBF: 50,000 (excl. CCFL 60,000) hrs

Technical specifications
- Operating temperature range: 0 - 40 °C
- Relative humidity range: 5% - 90%

Tuner/Reception/Transmission
- Video Playback: NTSC, PAL, SECAM

Accessories
- Included accessories: HDMI-DVI adapter cable, VGA cable, Remote Control, Batteries for remote control, User manual on CD-ROM, AC Power Cord, Quick start guide
- Optional accessories: Table stand BM05211, Speakers BAL4631S1, Ceiling mount BM04111 and BM01111, Fixed wall mount BM02111, Flex wall mount BM04111 and BM02212

Miscellaneous
- Bezel: metallic anthracite
- Warranty: Europe/North America: 3 years