



Philips
LCD monitor

42"

multimedia HD Ready

BDL4231C



Innovative public display for indoor applications

with SmartCard slot

Control your costs with this network-controllable 42" 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.

System ready and future proof

- Integrated SmartCard Xpress Slot for expandability
- Monitor is network controllable for remote management

Optimized for public viewing

- Wide format WXGA 1366 x 768 resolution for sharper display
- HDMI for full digital High Definition connection

Operational flexibility for different applications

- Determine different start up settings with SmartControl
- Hidden and lockable control buttons

Lower total cost of ownership

- SmartPower for energy saving
- Wireless SmartLoader for fast cloning

Sustainable and safe

- Complies with RoHS standards to care for the environment

PHILIPS
sense and simplicity

Specifications

Picture/Display

- **Display screen type:** LCD WXGA Active Matrix TFT
- **Diagonal screen size:** 42 inch / 107 cm
- **Aspect ratio:** 16:9
- **LCD panel type:** 1366 x 768 pixels, Anti-glare polarizer
- **Recommended Resolution:** 1360 x 768 @ 60Hz
- **Brightness:** 500 cd/m²
- **Dynamic screen contrast:** 3000:1
- **Display colors:** 16.7 Million colors
- **Viewing angle (H / V):** 178 / 178 degree
- **Response time (typical):** 5 ms
- **Vertical Scanning Frequency:** 56 - 75 Hz
- **Picture enhancement:** 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Progressive Scan, Digital Crystal Clear, Smart Picture, Automatic skin tone correction, Color Temperature Adjustment, 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	60, 70, 75Hz
1280 x 720	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	60Hz

Connectivity

- **PC:** 3.5 mm PC audio input x1, RS232 D-Sub9, VGA-in D-Sub 15HD
- **AV 1:** Audio L/R in, YPbPr
- **AV 2:** Audio L/R in, YPbPr
- **AV 3:** CVBS in, Audio L/R in, S-Video in
- **AV 4:** HDMI
- **AV 5:** HDMI
- **Connectivity Enhancements:** SmartCard Expansion Slot, External Loudspeaker connector
- **Other connections:** S/PDIF out (coaxial)

Convenience

- **Picture in Picture:** CVBS PIP on VGA main
- **Ease of Use:** On Screen Display, Auto Volume Leveller (AVL), Smart Sound Control, Smart Picture Control
- **Network controllable:** RS232

- **Screen Format Adjustments:** 4:3, Widescreen, Subtitle Zoom, Superwide, Zoom 14:9, Zoom 16:9
- **Clock:** Sleep Timer
- **Regulatory Approvals:** CE Mark, UL/cUL, CCC, RoHS, GOST, SEMKO
- **VESA Mount:** 400 x 200 mm

Sound

- **Output power (RMS):** 2X 10W
- **Sound System:** Stereo, Mono
- **Sound Enhancement:** Smart Sound

Loudspeakers

- **Built-in speakers:** 2

Tuner/Reception/Transmission

- **Video Playback:** NTSC, PAL, SECAM

Power

- **Mains power:** 90-264 VAC, 50/60 Hz
- **Consumption:** 186W (Typical)
- **Standby power consumption:** <4W

Technical specifications

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

Dimensions

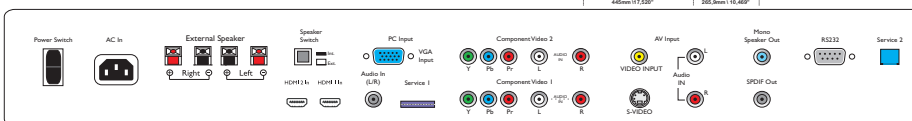
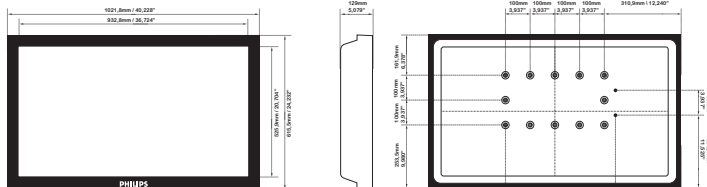
- **Set dimensions (W x H x D):** 1022 x 615 x 129 mm
- **Set dimensions in inch (W x H x D):** 40.2 x 24.2 x 5.1 inch
- **Set dimensions with stand (H x D):** 663 x 250 mm
- **Set dimensions with stand in inch (H x D):** 26.1 x 9.8 inch
- **Box dimensions (W x H x D):** 117 x 74.8 x 34.1 mm
- **Box dimensions in inch (W x H x D):** 46.1 x 29.4 x 13.4 inch
- **Product weight:** 21.0 kg
- **Product weight (lb):** 46.30
- **Weight incl. Packaging:** 21.8 kg
- **Weight incl. Packaging (lb):** 48.06
- **MTBF:** 100k (excl. CCFL 50k) hrs

Accessories

- **Included Accessories:** Table top stand, AC Power Cord, VGA cable, Remote Control, Batteries for remote control, Quick start guide, HDMI-DVI adapter cable, User manual on CD-ROM
- **Optional accessories:** SmartLoader 22AV1135

Miscellaneous

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





Product 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.

Smart Control

In a networked setting you want to be able to control the start up conditions of all displays when reconnected to power. Via RS232 commands Smart Control allows 3 different start up settings: Standby, Remember Last Settings or Forced Power On. In case of Forced Power On the display will start up with predefined fixed settings like selected source input, brightness and volume levels.

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.

SmartCard Xpress Slot

SmartCard Xpress is an expansion slot that lends additional functionality to the display. Cards developed by Philips and/or third parties are designed to streamline connectivity with the display via the slot, eliminating the need for external devices.

Network controllability: RS232

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

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.

Wireless SmartLoader

Provides the ability to copy all menu settings from one display into other displays. The feature ensures uniformity between the sets and significantly reduces installation time. Operates fully wireless.

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.



Issue date 2007-08-28

Version: 1.0

12 NC: 8670 000 32235
UPC: 6 09585 13865 0

© 2007 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