



Philips  
LCD monitor

107cm (42")  
multimedia  
HD Ready

**BDL4231C**

## Innovative public display for indoor applications

with SmartCard slot

Control your costs with this network-controllable 107 cm/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
- Remote Management and Configuration via RS232

### **Optimized for public viewing**

- Wide format WXGA 1366 x 768 resolution for sharper display
- HDMI input for full digital HD connection in one cable

### **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

# 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 the mains power is reconnected or resumed after a power interruption. Via RS232 commands Smart Control allows flexibility over four different start up settings: power

status, source input, volume level and picture format. For all four settings you can choose the display to remember their last status or to have a fixed setting when power is reconnected.

## 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.

## Remote Management:: RS232

Remote Management allows the user to control and adjust the displays remotely via the

RS232 protocol. Using CEC commands, you are able to have full control over all the displays in your signage network at any time.

## 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.



# 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
- Optimum resolution: 1366 x 768 @ 60Hz
- Brightness: 500 cd/m<sup>2</sup>
- 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, 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 input: HDMI x2, Component (YPbPr) 2x, Audio (L/R) for YPbPr 2x, Composite (CVBS) x1, Audio (L/R) x1, S-video x1
- Connectivity Enhancements: SmartCard Expansion Slot, External Loudspeaker connector
- Other connections: S/PDIF out (coaxial)

## Convenience

- Picture in Picture: CVBS PIP on VGA main
- Network controllable: RS232

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

## Sound

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

## Tuner/Reception/Transmission

- Video Playback: NTSC, PAL, SECAM

## Power

- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typ.: 129W (VGA) 188W (video)
- Standby power consumption: <3.5W

## Technical specifications

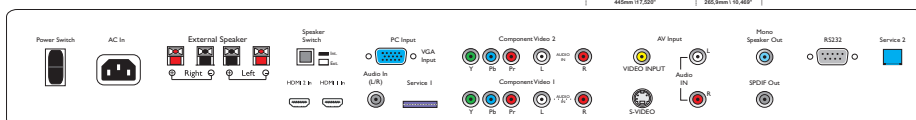
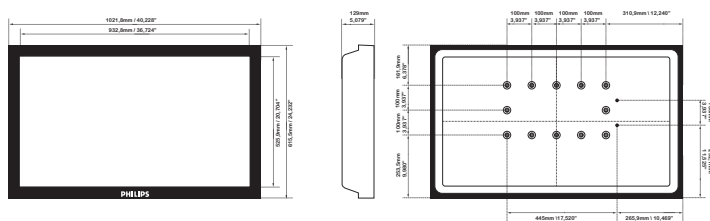
- Operating temperature range: 0 - 40 °C
- Relative humidity range: 5% - 90%

## 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



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