



Philips  
LCD monitor

**107cm (42")**  
multimedia  
HD Ready

**BDL4231CS**

## 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

### **Operational flexibility for different applications**

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

### **Lower total cost of ownership**

- SmartPower for energy saving
- Wireless SmartLoader for fast cloning

### **Optimized for public viewing**

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

### **Sustainable and safe**

- Complies with RoHS standards to care for the environment

# PHILIPS

LCD monitor  
107cm (42") multimedia, HD Ready

BDL4231CS/00

# 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

- Diagonal screen size (metric): 107 cm
- Diagonal screen size (inch): 42 inch
- Aspect ratio: 16:9
- LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
- Optimum resolution: 1360 x 768 @ 60Hz
- Brightness: 500 cd/m<sup>2</sup>
- Display colors: 16.7 Million colors
- Dynamic screen contrast: 3000:1
- Response time (typical): 5 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Progressive scan, Dynamic contrast enhancement
- Vertical Scanning Frequency: 56 - 75 Hz
- Display screen type: LCD WXGA Active Matrix TFT

## 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
- Other connections: S/PDIF out (coaxial)
- Connectivity Enhancements: SmartCard Expansion Slot, External Loudspeaker connector

## Convenience

- Picture in Picture: CVBS PIP on VGA main
- Regulatory approvals: CE Mark, UL/cUL, CCC, RoHS, GOST, SEMKO
- Network controllable: RS232
- VESA Mount: 400 x 200 mm
- Screen Format Adjustments: 4:3, Widescreen, Subtitle Zoom, Superwide, Zoom 14:9, Zoom 16:9

## Sound

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

## Power

- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): 186W (Typical)
- Standby power consumption: <math>\leq 3.5W</math>

## Supported Display Resolution

- Computer formats: 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: 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 60Hz

## Dimensions

- Box depth: 34.1 mm
- Box height: 74.8 mm
- Box width: 117 mm
- Set height (with stand): 663 mm
- Set height (with stand) (inch): 26.1 inch
- Set Width: 1022 mm
- Product weight: 21.0 kg
- Set depth (with stand): 250 mm
- Set Height: 615 mm
- Set Depth: 129 mm
- Set depth (with stand) (inch): 9.8 inch
- Set Width (inch): 40.2 inch
- Set Height (inch): 24.2 inch
- Set Depth (inch): 5.1 inch
- Box depth (inch): 13.4 inch
- Box height (inch): 29.4 inch
- Box width (inch): 46.1 inch
- Product weight (lb): 46.30 lb
- Weight incl. Packaging: 21.8 kg
- Weight incl. Packaging (lb): 48.06
- MTBF: 100k (excl. CCFL 50k) hrs

## Technical specifications

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

## Tuner/Reception/Transmission

- Video Playback: NTSC, PAL, SECAM

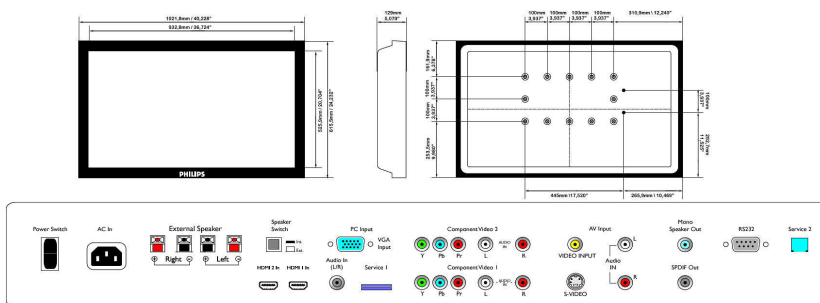
## Accessories

- Included accessories: 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

- Bezel: silver
- Warranty: Europe/North America: 3 years, APMEA: 1 year



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