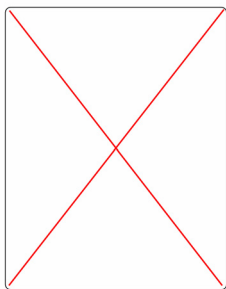




Philips
HalO™ Display

107 cm (42")

multimedia Full HD



BDL4230EC

Increase your visibility

and keep ahead of the game

Control your costs with this network-controllable Philips HalO™ 42" LCD Display. It offers a variety of features to meet the most demanding viewing applications and astonish viewers with the eye-catching colour-changing Philips HalO™ screen

Operational flexibility

- Philips HalO™
- Smart insert in the back cover to place a small PC
- Designed for 24/7 operation
- Monitor is network controllable for remote management

Optimised for public viewing

- Full HD LCD display, 1920 x 1080p

Lower total cost of ownership

- SmartPower for energy saving
- Brightness automatically adjusts with ambient conditions
- Advanced anti-image sticking function

Sustainable and safe

- Complies with RoHS standards of care for the environment

PHILIPS

sense and simplicity

Highlights

Philips HalO™

The eye-catching HalO™ feature is a unique and patented design. HalO™ creates a frame around your advertising content which can be set to a user defined colour, or even change colour automatically, helping your messages to stand out from the crowd. Ideal for leisure, retail, gaming, hotels, health clubs and a host of different applications, HalO™ is aimed at users who are looking to add that something special to their digital signage projects.

Smart insert

Professional PCs are part of most public signage installations. Quite often they add additional depth to the public display and a lot of cable clutter. This public display contains a Smart insert in the back cover that will fit many professional small form factor PCs. In addition, it offers provisions for efficient cable management.

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.

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.

Designed for 24/7 operation

Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.

Automatic brightness control

The adjustment of display settings to correspond with ambient light without user intervention.

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.

Network controllability: RS232

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

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: 42 inch / 107 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1400:1
- Response time (typical): 5 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.485 x 0.485
- Display colours: 1.06 Billion colours
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

Supported Display Resolution

• Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75 Hz
800 x 600	56, 60, 72, 75 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
1280 x 1024	60 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1440 x 900	60 Hz
1600 x 1200	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz

• Video formats

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

Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x 1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 1, Component (BNC) x 1, Composite (RCA) x 1, Composite (BNC) x 1, S-video x 1, Audio (L/R) x 2
- AV output: Composite (BNC) x 1, Audio (L/R) x 1
- Other connections: AC-out, External loudspeaker connector

Convenience

- Placement: Portrait, Landscape
- Picture in picture: PBP, PIP, POP

- Screen-saving functions: Pixel shift, Low bright
- Signal Loop Through: RS232, VGA
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy-saving functions: Ambient light sensor, Smart Power
- Picture performance: Advanced colour control
- Packaging: Reusable box
- Network controllable: RS232

Dimensions

- Bezel thickness: 2.9 cm/1.14 inch
- Smart insert (WxHxD): 160 x 300 x 55 mm
- Smart insert in inch (WxHxD): 6.30 x 11.81 x 2.17 inch
- Set dimensions (W x H x D): 1152 x 745 x 130 mm
- Set dimensions in inch (W x H x D): 45.3 x 29.3 x 5.2 inch
- Product weight: 31.3 kg
- Product weight (lb): 68.9
- VESA Mount: 200 x 200 mm, 400 x 200 mm (Set), 100 x 100 mm (Smart insert)

Operating conditions

- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 50,000 hour(s)

Power

- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typ. 120 W
- Standby power consumption: <1 W

Sound

- Built-in speakers: 2 x 12 W (8 ohm)

Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide, LED Colour Changing RC
- Optional accessories: Fixed wall mount, Flexible wall mount, Ceiling mount
- Stand: BM05411

Miscellaneous

- Warranty: Europe/North America: 3 years
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese
- Regulatory approvals: CE, FCC, Class B, CCC, RoHS, UL/cUL



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