



Philips
HalO™ Display

107cm (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

Lower total cost of ownership

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

Optimized for public viewing

- Full HD LCD display, 1920x1080p

Operational flexibility

- Philips HalO™
- Designed for 24/7 operation
- Smart insert in the backcover to place a small pc
- Remote Management and Configuration via RS232

Sustainable and safe

- Complies with RoHS standards to care for the environment

PHILIPS

Highlights

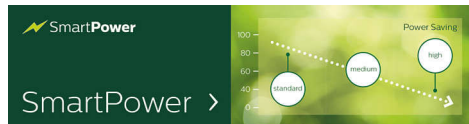
Philips HalO™

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 color, or even change color 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 PC's are part of most public signage installations. Quite often they increase the overall depth to the display and cause a lot of cable clutter. So we have designed this display with Smart insert in the back cover which is ideal for the integration of a professional small form factor PC. On top of that, the cable management system offers a great solution to keep your cables neat and professional looking.

SmartPower



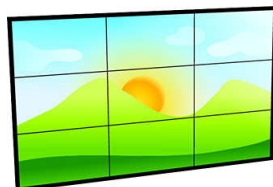
The backlight intensity can be controlled and pre-set by the system to reduce the power

consumption by up to 50%, which saves substantially on energy costs.

Full HD LCD display 1920x1080p

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 colors. 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

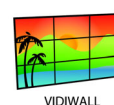
Static images left on-screen for extended periods of time may leave a "ghost image" or image sticking effect on LCD displays. Although image sticking in LCD displays is not permanent, you want to prevent this to happen, especially in locations where content is shown 24/7.

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.

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
- Panel resolution: 1920x1080p
- Pixel pitch: 0.485 x 0.485
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 500 cd/m²
- Display colors: 1.06 Billion colors
- Contrast ratio (typical): 1400:1
- 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, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

Connectivity

- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x1, Component (BNC) x1, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2
- AV output: Composite (BNC) x1, Audio (L/R) x1
- Other connections: AC-out, External loudspeaker connector

Convenience

- Placement: Portrait, Landscape
- Picture in picture: PBP, PIP, POP
- Screen saving functions: Pixel shift, Low bright
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, VGA
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy saving functions: Ambient light sensor, Smart Power
- Picture performance: Advanced color control
- Network controllable: RS232
- Packaging: Reusable box

Sound

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

Power

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

Supported Display Resolution

- Computer formats: 640 x 480, 60, 67, 72, 75Hz, 800 x 600, 56, 60, 72, 75Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1280 x 800, 60Hz, 1280 x 1024, 60Hz, 1360 x 768, 60Hz, 1366 x 768, 60Hz, 1440 x 900, 60Hz, 1600 x 1200, 60Hz, 1920 x 1080, 60Hz, 1920 x 1200, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz

Dimensions

- Bezel thickness: 2.9 cm / 1.14 inch
- Smart Insert mount: 160 x 300 x 55 mm
- Smart insert in inch (WxHxD): 6.30 x 11.81 x 2.17 inch
- Set Width: 1152 mm
- Product weight: 31.3 kg
- Set Height: 745 mm
- Set Depth: 130 mm
- Set Width (inch): 45.3 inch
- Set Height (inch): 29.3 inch
- Wall Mount: 200x200mm, 400x200mm (Set), 100x100mm (Smart insert)
- Set Depth (inch): 5.2 inch
- Product weight (lb): 68.9 lb

Operating conditions

- Temperature range (operation): 0 - 40 °C
- MTBF: 50.000 hour(s)
- Relative humidity: 5 - 90 %

Accessories

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

Miscellaneous

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



Issue date 2024-03-25

Version: 1.2.1

EAN: 87 12581 62034 9

© 2024 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V.
or their respective owners.

www.philips.com