

Philips Signage Solutions
E-Line Display

42"

Edge LED Backlight
Full HD

BDL4250EL



Deliver your marketing messages in style

with this sleek LED display

Maximising your content delivery whilst lowering your TCO has never been so easy or stunning. This 42" display offers gorgeous full HD picture quality with lower power consumption thanks to the edge LED backlight.

Lower total cost of ownership

- SmartPower for energy saving

Optimised for public viewing

- Full HD LED technology for brilliant images
- IPS wide view technology for image and colour accuracy

Operational flexibility

- Many Functions. One Wire
- Smart Control Software Suite
- Enhanced zoom feature supports tiled matrix applications
- Portrait mode operability
- Designed for 24/7 operation
- Smart insert in the back cover to place a small PC
- Remote Management and Configuration via RS232
- IR Pass-through
- Keep your content up and running with FailOver

PHILIPS

Highlights

Full HD LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

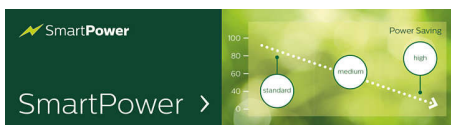
IPS Display Technology

Philips IPS displays uses an advanced technology, which gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in portrait mode. IPS displays give you remarkably crisp images with vivid colours, particularly suitable for professional video wall and menu board applications, which demand colour accuracy and consistent brightness at all times.

Smart Control

Control and manage all of the signage displays on your network with this powerful software tool, which allows you to change the settings of your display centrally via an RJ45 or RS232 connection. Smart Control allows you to set the video input, modify the colour settings, set the display's ID when creating video walls and even diagnose each display's status, giving you all the power you need to manage your displays from one central location.

SmartPower



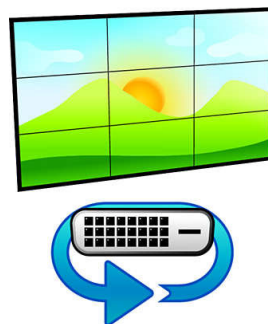
The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

FailOver



Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides content protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. FailOver automatically kicks in when the primary input fails. Simply select a primary input connection and a FailOver connection and you're ready for instant protection.

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.

Smart Insert

Professional PCs are part of most public signage installations. Quite often they increase the overall depth of 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.

Portrait mounting possible

This display can also be safely and reliably mounted in portrait position.

Zoom function for tiled matrix

The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of many different configurations, creating a stunning video wall has become simplicity itself.

IR Pass-through

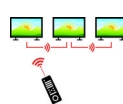
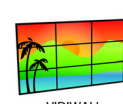
Control all displays in your signage network through one single remote control, via the primary display. Simple and convenient, this means you don't have to worry about other displays changing configuration settings when using your remote control unit.

One Wire

Take full control of your display by running all operational commands, as well as your video signal, through just one single HDMI cable. This unique feature makes it so much easier and more convenient to ensure the smooth running and maintenance of your display. Consumer Electronics Control (CEC) commands make finding out vital information about your display absolute child's play.

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.



Specifications

Picture/Display

- Diagonal screen size (metric): 106.73 cm
- Diagonal screen size (inch): 42.02 inch
- Aspect ratio: 16:9
- Panel resolution: 1920 x 1080p
- Pixel pitch: 0.4845 x 0.4845 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Display colours: 1.07 billion
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 12 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, 3D MA deinterlacing, Dynamic contrast enhancement
- Surface treatment: Anti-Glare coating

Connectivity

- PC: RJ45, VGA-in D-Sub 15HD, VGA-out (via DVI-I), RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: DVI-D x 1, Component (BNC) x 1, Composite (BNC) x 1
- AV output: Audio (L/R) x 1
- Other connections: Display Port, DVI Out, HDMI, AC-out, IR out, External loudspeaker connector

Convenience

- Placement: Landscape, Portrait
- Picture in picture: PBP, PIP, POP
- Tiled Matrix: Up to 5 x 5
- Keyboard control: Hidden, Lockable
- Signal loop through: DVI, RS232, IR Loop through, VGA
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy-saving functions: Smart Power
- Other convenience: Carrying handles
- Network controllable: RJ45, RS232, HDMI (One Wire)
- Packaging: Reusable box

Sound

- Built-in speakers: 2 x 10 W RMS

Power

- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (On mode): 81.98 W (EnergyStar 6.0 test method)
- Standby power consumption: <0.5 W

Supported Display Resolution

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

Dimensions

- Smart Insert mount: 100 x 100 mm, 100 x 200 mm
- Set Width: 965.8 mm
- Product weight: 18.3 kg
- Set Height: 558.8 mm
- Set Depth: 69 mm
- Wall Mount: 400 x 200 mm, 200 x 200 mm
- Bezel width: 15.8 mm

Operating conditions

- Altitude: 0 ~ 3000 m
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 60,000 hour(s)
- Relative humidity: 20 ~ 80 %
- Temperature range (storage): -20 ~ 60 °C

Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Stand: BM05462 (Optional)

Miscellaneous

- On-Screen Display Languages: English, French, German, Spanish, Polish, Turkish, Russian, Simplified Chinese, Italian
- Warranty: 3-year warranty
- Regulatory approvals: CE, FCC, Class B, UL/cUL, CCC, C-Tick, RoHS, GOST

