Philips
Video Wall Display

46"
Direct LED Backlight
Full HD

BDL4682XL



Create the most stunning video walls

with this LED zero-bezel display

Create the most mesmerising video walls with our range of video wall models. With practically zero bezel and stunning full HD picture quality, you're sure to create the most memorable visual experience.

Optimised for public viewing
- Full HD LCD display, 1920 x 1080p
- Bezel-less design for stunning video walls
- High brightness for clearer images

High picture and video quality
- Advanced Colour Calibration

Operational flexibility
- Direct LED Backlight
- Smart insert in the back cover to place a small PC
- Smart Control Software Suite
- Portrait mode operability
- IR Pass-through
- Network Controllability: RJ45
- Designed for 24/7 operation
- DVI Daisy Chain

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Highlights

Direct LED Backlight
Enjoy superior light uniformity with a direct LED backlight, which gives you even greater contrast ratios. Purer whites bring an even wider colour gamut, enhancing the colour rendering and making your viewing experience more enjoyable than ever before. And with substantially lower power consumption, your overall TCO is lower too.

Bezel-less design
Create the most stunning video walls with zero bezel displays. Configurable in a formation of up to 15 x 10 displays, and with some of the narrowest mullions in the industry, you will hardly notice the gap between the pictures, giving you the most incredible and memorable visual experience.

High brightness
Enjoy a clearer image in areas with greater ambient brightness thanks to the 700 nit panel. Your audience can enjoy better image quality in locations that are away from direct sunlight, yet still brighter than average, optimizing the viewing experience.

Advanced Colour Calibration
Ensure a uniform colour across all displays installed in your network thanks to our advanced colour calibration tool. This tool will automatically adjust all displays in your signage application to ensure the ultimate in colour consistency to give your audience the most memorable visual experience.

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.

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.

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 24/7 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.

DVI Daisy Chain
Create a digital video wall of up to 150 displays in a 15 x 10 configuration with a DVI daisy chain. Simply connect the DVI Out port to a DVI in of another display to create the most stunning video wall experience around.

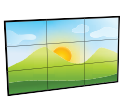
IR Pass-through
Control all displays in your signage network through one single remote control, via the primary display. Simple and convenient, this means you don't have to worry about other displays changing configuration settings when using your remote control unit.

RJ45
Simple management of your display is available thanks to the introduction of a LAN (RJ45) port. You can configure each display or find out the status of each device quickly and conveniently via an RJ45 connection.

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

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.

Energy Star 5.0
Energy Star certification ensures that you are buying a product that meets the latest power efficiency standards and operates with maximum power efficiency at all operational levels. Philips Signage Displays are certified for Energy Star 5.0 specifications and meet or exceed the standard.















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Specifications

Picture/Display
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080p @ 60 Hz
- Brightness: 700 cd/m²
- Contrast ratio (typical): 4000:1
- Response time (typical): 6.5 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.53 x 0.53 mm
- Display colours: 1.07 billion
- 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 x 1, RJ45, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 1, Component (BNC) x 1, IR in, Audio (L/R) x 1
- Other connections: Display Port, DVI Out, USB, AC-out, IR out, External loudspeaker connector
- AV output: Audio (L/R) x 1

Dimensions
- Set dimensions (W x H x D): 1023.68 x 578.27 x 106.71 mm
- Bezel width (L/T, R/B): 3.2 mm, 1.8 mm
- Bezel width (A to A): 5 mm
- Product weight: 24 kg
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm
- VESA Mount: 400 x 400 mm
- MTBF: 60,000 hrs

Power
- Consumption (Typical): 135 W
- Standby power consumption: <0.5 W
- Power supply: 90-240 VAC, 50/60 Hz

Operating conditions
- Temperature range (operation): 0 - 40 °C
- Relative humidity: 10-90 %

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

Convenience
- Placement: Portrait, Landscape
- Signal Loop Through: RS232, VGA, DVI, IR Loop through
- Tiled Matrix: up to 15 x 10
- Picture in picture: PIP
- Keyboard control: Hidden, Lockable
- Screen-saving functions: Pixel shift, Low bright
- Network controllable: RS232, HDMI (One Wire), RJ45
- Remote control signal: Lockable
- Ease of installation: Smart Insert, AC Out, Carrying Handles
- Energy-saving functions: Smart Power
- Safety control functions: Heat Control, Temperature Sensor
- Picture performance: Advanced colour control
- Packaging: Reusable box
- OSD Languages: Dutch, English, French, German, Italian, Polish, Russian, Simplified Chinese, Spanish, Turkish

Sound
- Built-in speakers: 2 x 12 W

Accessories
- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Stand: BM05611 (Optional)

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

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