

Philips

Video Wall Display

- 46"
- Direct LED Backlight
- Full HD

BDL4682XL/00

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.

Benefits

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
- Keep your content up and running with FailOver
- DVI Daisy Chain
- IR Pass-through
- Network Controllability: RJ45
- Portrait mode operability
- Designed for 24/7 operation

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Features

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.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Diagonal screen size (metric)	117 cm
Diagonal screen size (inch)	46 inch
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 (horizontal)	178 degree
Viewing angle (vertical)	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 Width	1023.68 mm
Set Height	578.27 mm
Set Depth	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	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	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



data subject to change
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