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.

Optimized for public viewing
- Full HD LCD display, 1920x1080p
- High brightness for clearer images
- Bezel-less design for stunning video walls

High picture & video quality
- Advanced Color Calibration

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

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Highlights

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.

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 color gamut enhancing the color rendering, 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 Color Calibration
Ensure a uniform color across all displays installed in your network thanks to our advanced color calibration tool. This tool will automatically adjust all displays in your signage application to ensure the ultimate in color consistency to give your audience the most memorable visual experience.

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.

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 color 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.
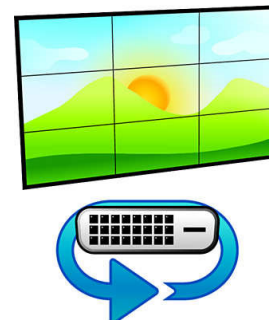
FailOver

Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides 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 your 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.
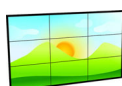
IR Passthrough
Control all displays in your signage network through one single remote control, via the primary display. Simple and convenient, this means you don't have to worry about other displays changing configuration settings when using your remote control unit.

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 is also able to be safely and reliably mounted in portrait position.

Specifications

Picture/Display
- Diagonal screen size (metric): 117 cm
- Diagonal screen size (inch): 46 inch
- Aspect ratio: 16:9
- Panel resolution: 1920x1080p
- Pixel pitch: 0.53 x 0.53 mm
- Optimum resolution: 1920 x 1080p @ 60 Hz
- Brightness: 700 cd/m²
- Display colors: 1.07 billion
- Contrast ratio (typical): 4000:1
- Response time (typical): 6.5 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, RJ45, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x1, Component (BNC) x1, IR in, Audio (L/R) x1
- AV output: Audio (L/R) x1
- Other connections: Display Port, DVI Out, USB, AC-out, IR out, External loudspeaker connector

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

Sound
- Built-in speakers: 2 x 12 W

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

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
- Smart Insert mount: 100x100mm, 100x200mm
- Set Width: 1023.68 mm
- Product weight: 24 kg
- Set Height: 578.27 mm
- Set Depth: 106.71 mm
- Wall Mount: 400 x 400mm
- Bezel width (L/T, R/B): 3.2 mm, 1.8 mm
- Bezel width (A to A): 5 mm
- MTBF: 60,000 hrs

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

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
- Warranty: 3 year warranty
- Regulatory approvals: CE, FCC, Class B, CCC, RoHS, UL/cUL, BSMI, CB, C-Tick, EPEAT, GOST

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