



Philips Signage Solutions  
V-Line Display

46"

Edge LED Backlight  
Full HD  
700cd/m<sup>2</sup>

**SignageSolutions**

**BDL4680VL**

## Connect with your audience 24/7

With the future proof Smart Collection

With this high brightness Signage Solution display, you will enjoy all the benefits of state-of-the-art connectivity and content management possibilities while being ensured that remote management safeguards the lowest cost of ownership.

### **Optimized for public viewing**

- Full HD LED technology for brilliant images
- AMVA for wide-view super-high contrast, vivid images
- High brightness for clearer images

### **Care about you, your business and your audience**

- SmartPower for energy saving
- Keep your content up and running with FailOver

### **Innovative solutions for any signage application**

- Free and easy-to-use content management with SmartCMS
- Connect and control your content via the cloud with HTML5
- Schedule what you want, when you want with SmartPlayer
- Optional OPS Slot
- Connect your display and start sharing with DLNA

### **Maximizing the impact of your message**

- Manage and control your network remotely via SmartControl

**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 LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

## SmartControl

SmartControl lets you remotely control and manage your network of displays via RJ45 and RS232C. Easily fine-tune all display settings including resolution, brightness, contrast and cloning of your settings over your complete network.

## SmartCMS



Free and easy-to-use content management system that works exclusively with Philips Sigage Solutions displays to manage your digital signage content. With SmartCMS you can create and schedule your own content over 24 hours every day. Simply create your network, design your content, schedule your playlist and you are ready to play!

## SmartBrowser

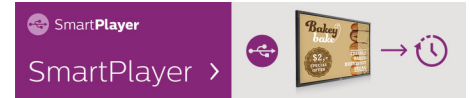


Connect and control your content via the cloud with the integrated HTML5 browser. Design your signage content online and connect it with a display or with your complete network. Simply plug in a RJ45 internet cable for network connection, connect the display with the dedicated url-address and you are ready to play your cloud based content.

## 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.

## SmartPlayer



Turn your USB into a true cost effective digital signage device. Simply save your content (video, audio, pictures) on your USB and plug into your display. Create your playlist and schedule your content via the on screen menu, and enjoy your own created playlists anytime, anywhere.

## Optional OPS Slot

Open Pluggable Specification is an industry standard slot in to which you can add an OPS-compatible media player. This gives you the ability to upgrade or change your hardware whenever you need. Turning your display in to an all-in-one digital signage solution has become simplicity personified.

## 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.

## Share & Stream with DLNA

Simply share & stream content from your mobile device or media player to your display with all DLNA compliant media devices. Connect each display with an ethernet cable and manage your content real time within your local network. Simply connect your display and start sharing.

# Specifications

## Picture/Display

- Diagonal screen size: 46 inch / 116.8 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 700 cd/m<sup>2</sup>
- Contrast ratio (typical): 4000:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 6.5 ms
- Pixel pitch: 0.177 x 0.53mm
- Display colors: 1073.3 million
- Viewing angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, Motion compens. deinterlacing, Progressive scan, Dynamic contrast enhancement

## Connectivity

- Video input: DisplayPort (1.2), HDMI (x2), DVI-D, VGA (Analog D-Sub), USB, Component (RCA), Composite (RCA)
- Video output: DisplayPort, DVI-I, VGA (Analog D-Sub)
- Audio input: 3.5 mm jack, Audio Left/Right (RCA)
- Audio output: Audio Left/Right (RCA), External speaker connector
- Other connections: OPS
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

## Supported Display Resolution

### Computer formats

| Resolution  | Refresh rate     |
|-------------|------------------|
| 1920 x 1200 | 60Hz             |
| 1920 x 1080 | 60Hz             |
| 1600 x 1200 | 60Hz             |
| 1440 x 900  | 60Hz             |
| 1366 x 768  | 60Hz             |
| 1360 x 768  | 60Hz             |
| 1280 x 1024 | 60Hz             |
| 1280 x 800  | 60Hz             |
| 1280 x 768  | 60Hz             |
| 1024 x 768  | 60Hz             |
| 800 x 600   | 56, 60, 72, 75Hz |
| 640 x 480   | 60, 67, 72, 75Hz |

### Video formats

| Resolution | Refresh rate |
|------------|--------------|
| 1080p      | 50, 60Hz     |
| 1080i      | 50, 60Hz     |
| 720p       | 50, 60Hz     |
| 576i       | 50Hz         |
| 576p       | 50Hz         |
| 480p       | 60Hz         |
| 480i       | 60Hz         |

## Dimensions

- Set dimensions (W x H x D): 1052.7 x 607.3 x 69 mm
- Bezel width: 15.8 mm
- Product weight: 21.3 kg

- VESA Mount: 400 x 400 mm, 400 x 200 mm, 200 x 200 mm
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm

## Convenience

- Placement: Portrait, Landscape
- Tiled Matrix: Up to 10 x 10
- Keyboard control: Hidden, Lockable
- Signal loop through: DVI, VGA, RS232, IR Loophrough, DisplayPort
- Network controllable: RJ45, RS232, HDMI (One Wire), Card OPS RS232, One Wire (HDMI-CEC)
- Energy saving functions: Smart Power
- Ease of installation: Smart Insert, AC Out
- Screen saving functions: Pixel Shift, Low Bright
- Other convenience: Carrying handles

## Power

- Standby power consumption: <0.3 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (On mode): 92.41 W (EnergyStar 6.0 test method)

## Operating conditions

- Temperature range (operation): 5 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- Altitude: 0 ~ 3000 m
- MTBF: 60,000 hour(s)

## Sound

- Built-in speakers: 2 x 10W

## Multimedia Applications

- USB Playback Audio: AAC, AIF, AIFF, ASF, LPCM, M3U, M4A, MP3, MP4, WAV, WMA
- USB Playback Picture: BMP, GIF, JPEG, JPG
- USB Playback Video: M2TS, M4V, MK3D, MKV, MP4, MPEG, MPG, MTS, TS, TTS, VOB, WMV

## Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide, RS232 cable
- Stand: BM04642 (Optional)
- Optional accessories: ColourCalibrationKit (CCK4602), HDBaseT OPS Receiver (CRD25)

## Miscellaneous

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



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