

Philips Signage Solutions  
V-Line Display

55"  
Edge-lit LED  
Full HD  
700 cd/m<sup>2</sup>

SignageSolutions

BDL5590VL



# 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 assured that remote management safeguards the lowest cost of ownership.

## Optimised for public viewing

- High brightness for clearer images
- IPS wide view technology for image and colour accuracy
- Designed for 24/7 operation

## Maximising the impact of your message

- Colour Calibration kit to ensure uniform colours

## Innovative solutions for any signage application

- Save and play content with internal memory
- 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 Insert to create an all-in-one solution

## Care about you, your business and your audience

- Keep your content up and running with FailOver
- Clinical D-image pre-set for DICOM part 14 Greyscale images

SmartCollection

PHILIPS

# Highlights

## 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.

## Internal Memory



Save and play content with internal memory. Upload your media into the display and playback content immediately. Working in conjunction with the internal browser, it also serves as a memory cache when streaming online content. If the network ever fails, the internal memory keeps content running by playing a cached version of the content, ensuring that your media stays up even if the network goes down.

## SmartCMS



Free and easy-to-use content management system that works exclusively with Philips Signage 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 and schedule your playlist, and you are ready to play!

## Integrated HTML5 browser



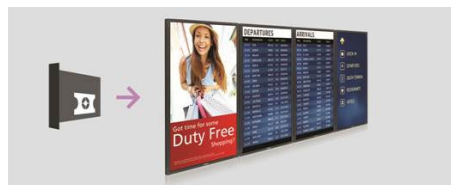
Connect and control your content via the cloud with the integrated HTML5 browser. Design your signage content online and connect it with a display or with your entire network. Simply plug in a RJ45 Internet cable for network connection and connect the display with the dedicated URL address, and you are 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 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.

## OPS Insert



Turn your display into an all-in-one digital signage solution and create a display network

that is connected, intelligent and secure. Open Pluggable Specification (OPS) is an industry-standard slot into which you can add an OPS-standardised media player. This cable-free solution gives you the ability to install, use or maintain your hardware whenever you need to.

## 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 playlists anytime, anywhere.

## 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.

## SmartCollection

### SmartCollection

SmartCollection offers you customisable solutions to meet your specific requirements.

Both integrators and solution providers are offered the latest innovations, while the audience can enjoy impactful solutions. When developing smart innovations we focus on Caring, Innovative and Impactful solutions.

# Specifications

## Picture/Display

- Diagonal screen size: 54.6 inch / 139 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 700 cd/m<sup>2</sup>
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.63 x 0.63 mm
- Display colours: 1.07 billion
- Viewing Angle (H / V): 178 / 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

- Video input: DisplayPort (1.2), HDMI (x 2), DVI-D, VGA (Analogue D-Sub), USB, Component (BNC x 3), Composite (BNC)
- Video output: DisplayPort, DVI-I, VGA (Analogue D-Sub)
- Audio input: 3.5-mm jack, Audio Left/Right (RCA)
- Audio output: Audio Left/Right (RCA), External speaker connector
- Other connections: OPS, USB
- 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	60 Hz
1920 x 1080	60 Hz
1440 x 900	60 Hz
1366 x 768	60 Hz
1360 x 768	60 Hz
1280 x 800	60 Hz
1280 x 768	60 Hz
1024 x 768	60 Hz
800 x 600	56, 60, 72, 75 Hz
640 x 480	60, 67, 72, 75 Hz

### Video formats

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

## Dimensions

- Bezel width: 6.5 mm
- Set dimensions (W x H x D): 1228.6 x 699.4 x 56.8 mm
- Set dimensions in inch (W x H x D): 48.4 x 27.5 x 2.2 inch
- Product weight: 24.7 kg
- Product weight (lb): 54.5
- VESA Mount: 400 x 400 mm, M6
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm

## Convenience

- Placement: Landscape, Portrait
- Tiled Matrix: Up to 10 x 10
- Keyboard control: Hidden, Lockable
- Signal Loop Through: RS232, DVI, IR Loop through, VGA, DisplayPort
- Network controllable: RJ45, RS232, One Wire (HDMI-CEC), Card OPS RS232, HDMI (One Wire)
- Energy-saving functions: Smart Power
- Ease of installation: Smart Insert, AC Out
- Screen-saving functions: Pixel Shift, Low Bright
- Other convenience: Carrying handles
- Memory: 16GB eMMC

## Power

- Consumption (On mode): 120 W (Typ.)
- Standby power consumption: <0.4 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz

## Operating conditions

- Temperature range (operation): 0 ~ 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 10 W RMS

## Multimedia Applications

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

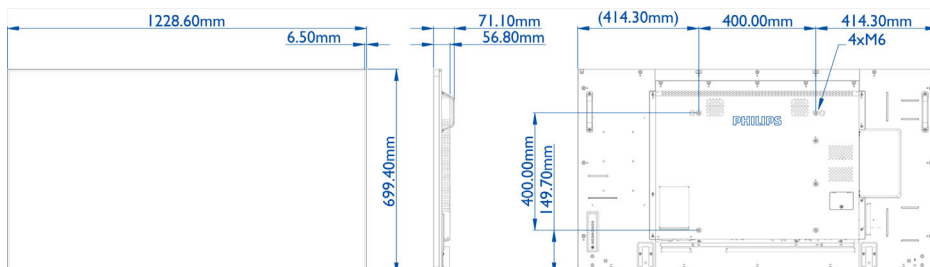
## Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, User manual on CD-ROM, Quick start guide, RS232 cable

- Stand: BM04642 or BM02542 (Optional)
- Optional accessories: ColourCalibrationKit (CCK4601), HDBaseT OPS Receiver (CRD25)

## Miscellaneous

- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Spanish, Simplified Chinese, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CB, CCC, CE, CECP, C-Tick, EPEAT, FCC, Class A, GOST, UL/cUL
- Warranty: 3-year warranty



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