Philips Signage Solutions
V-Line Display

55"
Edge-lit LED
Full HD
700cd/m²

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 ensured that remote management safeguards the lowest cost of ownership.

Optimized for public viewing
- High brightness for clearer images
- IPS wide view technology for image and color accuracy
- Designed for 24/7 operation

Maximizing 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 preset for DICOM part 14 Grayscale images

SmartCollection

PHILIPS

Highlights

High brightness

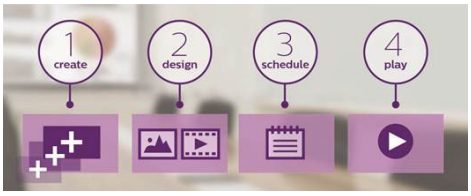
Enjoy a clearer image in areas with greater ambient brightness thanks to the 700 nit panel. Your audience can enjoy better image quality in locations that are away from direct sunlight yet still brighter than average, optimizing the viewing experience.

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 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.

OPS Insert



Turn your display into an all-in-one digital signage solution and create a display network which is connected, intelligent and secure. Open Pluggable Specification (OPS) is an industry standard slot into which you can add an OPS-standardized media player. This cable free solution gives you the ability to install, use or maintain your hardware whenever you need.

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.

IPS Display Technology

Philips IPS displays uses an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in portrait mode. IPS displays gives you remarkably crisp images with vivid colors, especially suitable for professional video wall and menuboard applications which demand color accuracy and consistent brightness at all times.

SmartCollection

SmartCollection

SmartCollection offers you customizable 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.

V-Line Display
55" Edge-lit LED, Full HD, 700cd/m²

BDL5590VL/00

Specifications

Picture/Display
- Diagonal screen size: 54.6 inch / 139 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 700 cd/m²
- 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 colors: 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 (x2), DVI-D, VGA (Analog D-Sub), USB, Component (BNC x3), Composite (BNC)
- 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, 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	60Hz
1920 x 1080	60Hz
1440 x 900	60Hz
1366 x 768	60Hz
1360 x 768	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
- 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 lb
- 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 Loopthrough, 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

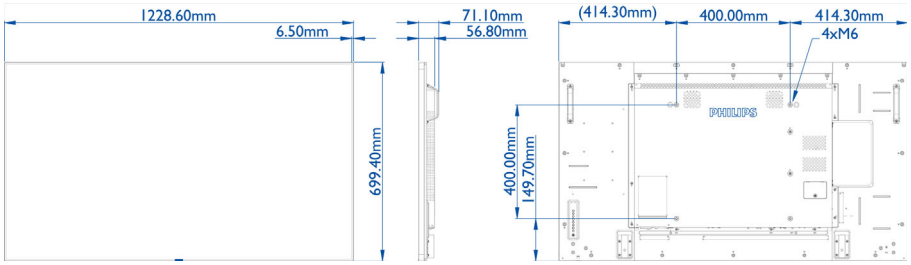
Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- Altitude: 0 ~ 3000 m
- MTBF: 60,000 hour(s)

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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