Philips Signage Solutions
V-Line Display

55"
Edge-lit LED
Full HD
700cd/m²

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

Innovative solutions for any signage application
- Connect and control your content via the cloud with HTML5
- Schedule what you want, when you want with SmartPlayer
- Free and easy-to-use content management with SmartCMS
- Optional OPS Insert to create an all-in-one solution
- Save and play content with internal memory

Maximizing the impact of your message
- Colour Calibration kit to ensure uniform colours

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

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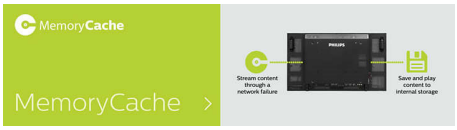
Highlights

High brightness

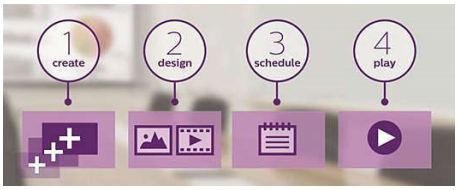
Enjoy a clearer image in areas with greater ambient brightness thanks to the 700 nit panel. Your audience can enjoy better image quality in locations that are away from direct sunlight yet still brighter than average, optimizing the viewing experience.

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.

Clinical D-image

Monitors must show medical images consistently with high quality to achieve reliable interpretations. The rendering of medical Grayscale images on standard monitors is mostly inconsistent at best, making them unsuitable for usage in a clinical environment. Philips clinical review displays with clinical D-image preset are factory calibrated to give DICOM part 14 compatible Grayscale standard display performance. By using high quality LCD panels with LED technology, Philips offers you consistent and reliable performance at an affordable price point. Further info on http://medical.nema.org/

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.

MemoryCache SmartCMS HTML FailOver OPSInsert SmartPlayer Clinical D-Image

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Specifications

Connectivity
- Audio output: Audio Left/Right (RCA), External speaker connector
- Video input: DisplayPort (1.2), HDMI (x2), DVI-D, VGA (Analog D-Sub), USB, Component (BNC x3), Composite (BNC)
- Audio input: 3.5 mm jack, Audio Left/Right (RCA)
- Other connections: OPS, USB
- Video output: DisplayPort, DVI-I, VGA (Analog D-Sub)
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Picture/Display
- Diagonal screen size (metric): 139 cm
- Diagonal screen size (inch): 54.6 inch
- Aspect ratio: 16:9
- Panel resolution: 1920x1080p
- Pixel pitch: 0.63 x 0.63 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 700 cd/m²
- Display colors: 1.07 billion
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 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

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

Sound
- Built-in speakers: 2 x 10 W RMS

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

Supported Display Resolution
- Computer formats: 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: 1080p, 50, 60Hz, 1080i, 50, 60Hz, 720p, 50, 60Hz, 576i, 50Hz, 576p, 50Hz, 480p, 60Hz, 480i, 60Hz

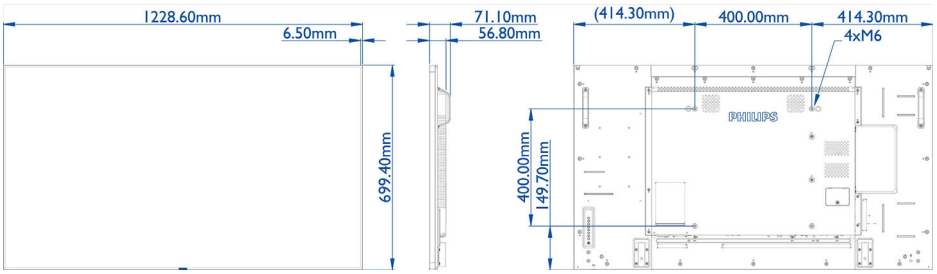
Dimensions
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm
- Set Width: 1228.6 mm
- Product weight: 24.7 kg
- Set Height: 699.4 mm
- Set Depth: 56.8 mm
- Set Width (inch): 48.4 inch
- Set Height (inch): 27.5 inch
- Wall Mount: 400 x 400 mm, M6
- Set Depth (inch): 2.2 inch
- Bezel width: 6.5 mm
- Product weight (lb): 54.5 lb

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

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
- Optional accessories: ColourCalibrationKit (CCK4602), HDBaseT OPS Receiver (CRD25)
- Stand: BM04642 or BM02542 (Optional)

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



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