Philips Signage Solutions
V-Line Display

42"
Edge LED Backlight
Full HD
700 cd/m²

SignageSolutions

BDL4280VL



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
- Full HD LED technology for brilliant images
- IPS wide view technology for image and colour accuracy
- 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

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

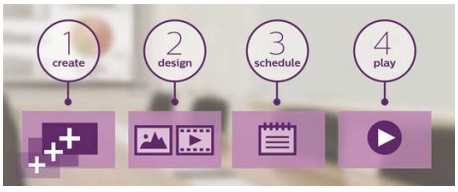
IPS Display Technology

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.

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 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.

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.

Optional OPS Slot

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

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 and Stream with DLNA

Simply share and 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 in real time within your local network. Simply connect your display and start sharing.

V-Line Display
42" Edge LED Backlight, Full HD, 700 cd/m²

BDL4280VL/00

Specifications

Picture/Display
- Diagonal screen size: 42.02 inch / 106.73 cm
- Panel resolution: 1920 x 1080p
- 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): 12 ms
- Pixel pitch: 0.485 x 0.485 mm
- Display colours: 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 (x 2), DVI-D, VGA (Analogue D-Sub), USB, Component (RCA), Composite (RCA)
- 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
- 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
1600 x 1200	60 Hz
1440 x 900	60 Hz
1366 x 768	60 Hz
1360 x 768	60 Hz
1280 x 1024	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
- Set dimensions (W x H x D): 965.8 x 558.8 x 69 mm
- Bezel width: 15.8 mm
- Product weight: 18.3 kg
- VESA Mount: 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, RS232, IR Loop through, VGA, DisplayPort
- Network controllable: RS232, RJ45, 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
- Consumption (On mode): 97.54 W (EnergyStar 6.0 test method)
- Standby power consumption: <0.4 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz

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 10 W

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 (CCK4601), 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

Issue date 2015-10-28

Version: 6.1.2

12 NC: 8670 001 13715
EAN: 87 12581 71780 3

© 2015 Koninklijke Philips N.V.
All Rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

www.philips.com