

Philips

V-Line Display

- 42"
- Edge LED Backlight
- Full HD
- 700 cd/m²

BDL4280VL/00

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.

Benefits

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

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

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

Features

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

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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 software suite lets you remotely control and manage your network of displays via RJ45 and RS232C. Easily identify your displays and fine-tune all display settings including resolution, brightness, contrast, video wall configurations 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.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Diagonal screen size (inch)	42.02 inch
Diagonal screen size (metric)	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 (horizontal)	178 degree

Viewing angle (vertical)	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	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	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 Width	965.8 mm
Set Height	558.8 mm
Set Depth	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	BM05462 (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

data subject to change
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