Philips Signage Solutions
E-Line Display

55"
Edge-lit LED
Full HD
500cd/m²

SignageSolutions

55BDL4031D

Connect with your audience 24/7

With the future proof Smart Collection

With this energy efficient 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
- Designed for 24/7 operation

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
- Optional OPS Insert to create an all-in-one solution
- Schedule what you want, when you want with SmartPlayer

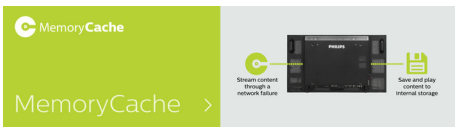
Care about you, your business and your audience
- Keep your content up and running with FailOver
- Clinical D-image preset for DICOM part 14 Grayscale images
- SmartPower for energy saving

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

PHILIPS

Highlights

Internal Memory

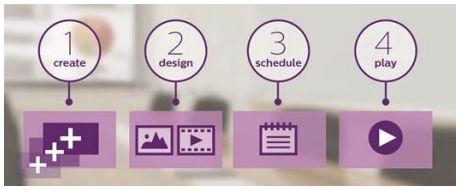


Save and play content with internal memory. Upload your media into the display and playback content immediately. Working in conjunction with the internal browser, it also serves as a memory cache when streaming online content. If the network ever fails, the internal memory keeps content running by playing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

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.

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.

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.

Designed for 24/7 operation

Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.

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.

OPSInsert SmartCMS SmartPlayer FailOver SmartPower Clinical D-Image

Specifications

Picture/Display
- Diagonal screen size: 54.6 inch / 139 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 1100:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.630 x 0.630 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
- Panel technology: IPS
- Placement: Landscape (24/7), Portrait (24/7)

Connectivity
- Video input: HDMI (x2), Display Port1.2 (x1), DVI-I (x 1)
- Video output: DisplayPort 1.2 (x1), DVI-I (x1)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- 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
1600 x 1200	60Hz

- Video formats

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

Dimensions
- Set dimensions in inch (W x H x D): 48.56 x 27.96 x 1.79 inch
- Set dimensions (W x H x D): 1233.4 x 710.3 x 45.5 mm
- Bezel width: 9.6 mm (T/L/R), 15.7 mm (B)
- Product weight (lb): 39.68 lb
- Product weight: 18.0 kg
- Wall Mount: 400 x 400 mm, M6

Convenience
- Tiled Matrix: Up to 10 x 10
- Keyboard control: Hidden, Lockable
- Signal loop through: DVI, IR Loopthrough
- Network controllable: RJ45, RS232
- Screen saving functions: Pixel Shift
- Picture in picture: PIP

Power
- Consumption (On mode): 150W(max)
- Standby power consumption: <0.5 W
- Mains power: AC (100 ~ 240 V) , 2.5A
- Consumption (Typical): 85 W

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)
- Humidity range (operation)[RH]: 20 ~ 80% RH (No condensation)
- Humidity range (storage) [RH]: 5 ~ 95% RH (No condensation)

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

Accessories
- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, Quick start guide, RS232 cable
- Stand: BM05922 (Universal Stand-L)(Option)
- Included Accessories: Edge Alignment Kit (1)-2pcs, Edge Alignment Kit (2)-1pcs, M3 screw (x1), RS232 daisy-chain cable, SD card cover (x1), Thumb Screw (x8)

Miscellaneous
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Spanish, Simplified Chinese, Traditional Chinese, Arabic, Japanese
- Regulatory approvals: CE, UL/cUL, BSMI, CB, EAC, EMF, EnergyStar 8.0, FCC, Class A, PSB
- Warranty: 3 year warranty

Issue date 2022-07-14

Version: 2.0.1

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