



Philips Signage 2000 Series

Signage Solutions

55"

Powered by Android 14

400 cd/m²



55BDL2050A/00

Philips Signage 2000 Series

Elemental by design – digital display simplicity

The Philips Signage 2000 Series brings signage right back to basics – your elemental yet stylish, 16/7 display for simple integrations that don't need bells and whistles. Powered by Android 14, UHD and with 400 nits brightness.

Android powered for hassle free integration

- Android 14 professional System on Chip.
- 3GB RAM and 16GB storage.

Modular design – versatile features

- Optional wireless screen sharing with Philips ScreenShare.
- FailOver basics. Greater assurance for always on content.
- Add WiFi and Bluetooth with optional CRD22 module.
- Philips Wave ready for remote device management.

Elemental design, great visual performance

- Even bezel design.
- Install in portrait or landscape orientations.
- 16/7 – working your content when you need it.
- 400 cd/m² brightness.

Highlights

16/7 operation

With 400 cd/m2 brightness, the UHD Philips Signage 2000 Series is designed to be used 16/7 – ideal for dawn to dusk businesses ready to make an impression.

Powered by Android 14

Powered by Android 14, your Philips Signage 2000 Series display is designed on a professional platform with trusted connectivity and security built in. Optimised for native Android apps and enabling you to install web apps and software directly onto the display, eliminating the need for an external media player.

Modularity built in

Extend your display into the future with our modular approach. Bringing opportunities to add WiFi and Bluetooth with the optional CRD22 module, as well as Philips ScreenShare, plus a firm focus on reuse and recyclability, as well as sustainability, with reduced WEEE disposal.

FailOver basics

FailOver basics via 5V hotplug detection. Critical for demanding commercial applications, FailOver via 5V hotplug allows you to set up a secondary content source that will automatically play in the unlikely event of the primary media feed failure.

Philips Wave ready

Unlock the power, versatility and intelligence inside your Philips Signage 2000 Series displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and set-up, monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules. Saving you time, energy, and environmental impact.

Specifications

Picture/Display

Diagonal screen size (metric): 138.7 cm

Diagonal screen size (inch): 54.6 inch

Aspect ratio: 16:9

Panel resolution: 3840 x 2160

Pixel pitch: 0.315 x 0.315 mm

Optimum resolution: 3840 x 2160 @ 60 Hz

Brightness: 400 cd/m²

Display colors: 1.07 Billion

Contrast ratio (typical): 1200:1

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, Dynamic contrast enhancement, Progressive scan, Motion adaptive de-interlacing

Panel technology: ADS

Operating system: Android 14

Haze: 1%

Connectivity

Video input: HDMI 2.0 (x2), USB-C (x1) with 4.5W PD

Other connections: USB 3.0 (x2)

Video output: N/A

External control: RJ45, IR (in/out) 3.5 mm jack

Line out: 3.5mm jack (fixed audio level)

Convenience

Placement: Landscape (16/7), Portrait (16/7)

Tiled Matrix: Up to 3 x 3

Keyboard control: Lockable, Hidden

Remote control signal: Lockable

Signal loop through: IR Loophrough

Energy saving functions: ECO mode

Network controllable: RJ45

Power

Mains power: 100 ~ 240 VAC

Consumption (Typical): 111 W

Standby power consumption: <0.5 W

Energy Label Class: G

Supported Display Resolution

Computer formats: 1920 x 1080, 60Hz, 1600 x 1200, 60Hz, 1440 x 900, 60Hz, 1280 x 1024, 60Hz, 1280 x 720, 60Hz, 1280 x 800, 60Hz, 1024 x 768, 60, 70, 75Hz, 1680 x 1050, 60Hz, 3840 x 2160, 60Hz

Video formats: 1080p, 50, 60Hz, 1080i, 50, 60Hz, 720p, 50, 60 Hz, 2160p, 50, 60Hz

Dimensions

Set Width: 1241.8 mm

Product weight: 17.2 kg

Set Height: 712.6 mm

Set Depth: 63.6 mm

Set Width (inch): 48.89 inch

Set Height (inch): 28.06 inch

Wall Mount: 400 mm x 400 mm, M6

Set Depth (inch): 2.50 inch

Bezel width: 13.9 mm (Even bezel)

Product weight (lb): 37.92 lb

Operating conditions

Altitude: 0 ~ 3000 m

Temperature range (operation): 5 ~ 40 °C

MTBF: 30,000 hour(s)

Temperature range (storage): -20 ~ 60 °C

Humidity range (operation)[RH]: 10 ~ 90% RH
(No condensation)

Multimedia Applications

USB Playback Video: MPEG, H.264, H.263, H.265, AVI, MP4, VP8, VP9, MPEG4, WEBM

USB Playback Picture: JPEG, BMP, PNG

USB Playback Audio: AAC, HEAAC, MPEG

Internal Player

CPU: Quad core Cortex A73

GPU: ARM Mali G52 MC1

Memory: 3GB RAM

Storage: 16GB

Accessories

Included accessories: Power cable 1.8M, Remote Control, External IR cable, AC Switch Cover, Logo Badge, USB Cover and screw

Optional accessories: CRD22 Wifi & Bluetooth module, CRD73 Philips ScreenShare license

Miscellaneous

On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese, Spanish, Traditional Chinese, Arabic, Japanese, Danish, Swedish, Finnish, Norwegian, Dutch

Warranty: 3 year warranty

Regulatory approvals: CE, CB, RoHS

