

# PHILIPS



Philips Signage 5000  
Series

Signage Solutions

50"

Powered by Android

600 cd/m2



50BDL5050D

## Philips Signage 5000 Series

Smart and modular – high performance 24/7

Go beyond the ordinary. Captivate audiences and elevate their experience with the Philips Signage 5000. Powered by Android 14 for smooth integrations, this versatile 24/7 display steps up to deliver exceptional performance in any setting.

### Always on for better visual performance

- 24/7 – working for your content around the clock.
- 600 cd/m2 – better visibility in lighter conditions.
- Install in portrait or landscape orientations.

### Supporting time and energy efficiencies

- Philips Wave ready for remote device management.
- Connect and control your content via the cloud.
- Designed for lower power consumption.

### Android powered for hassle-free integration

- Android 14 professional System on Chip.
- Integrated HTML5 Chromium-based browser.
- Save and play content with internal memory.

### Modular design – versatile features

- Unique modular setup for longer product lifetime.
- 4G optional module for reliable connection.

## Highlights

### **24/7 operation**

With 600 cd/m2 brightness for better visibility under bright lights or even in sunlight, the Philips Signage 5000 Series is designed to be used 24/7, making it a great selection for travel and transportation hubs, retail centres, food and beverage locations, and more.

### **Modularity built in**

Extend your display into the future with our modular approach. Bringing opportunities for longer product lifetime with easily detached and replaced components, plus a firm focus on sustainability, with reduced WEEE disposal.

### **Powered by Android 14**

Powered by Android 14, your Philips Signage 5050 display is designed on a professional platform with trusted connectivity and security built in. Optimised for native Android apps, it enables you to install web apps and software directly onto the display, eliminating the need for an external media player.

### **Integrated SmartBrowser**

Connect and control your content via the cloud with our integrated HTML5, Chromium-based browser. Design your content online and

connect a single display, or your entire network, either landscape or portrait. Simply connect to the Internet via an RJ45 cable.

### **Philips Wave ready**

Unlock the power, versatility and intelligence inside your Philips Signage 5000 displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and setup, 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):** 125.7 cm  
**Diagonal screen size (inch):** 49.5 inch  
**Aspect ratio:** 16:9  
**Panel resolution:** 3840 x 2160  
**Pixel pitch:** 0.2854 x 0.2854 mm  
**Optimum resolution:** 3840 x 2160 @ 60 Hz  
**Brightness:** 600 cd/m<sup>2</sup>  
**Display colours:** 1.07 Billion  
**Contrast ratio (typical):** 4000:1  
**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, Motion compens. deinterlacing, Dynamic contrast enhancement, Progressive scan  
**Panel technology:** VA  
**Operating system:** Android 14  
**Haze:** 25%

## Connectivity

**Audio output:** 3.5 mm jack  
**Video input:** DisplayPort 1.4 (x 1), HDMI 2.0 (x 2), USB-C (4.5 W)  
**Other connections:** 4G/LTE antenna connectors, Micro USB (x 1) (OTG), USB 3.0 (x 2)  
**Video output:** HDMI 2.0  
**External control:** RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, Wi-Fi 6, Bluetooth 5.2 (via CRD32)

## Convenience

**Placement:** Landscape (24/7), Portrait (24/7)  
**Tiled Matrix:** Up to 10 x 15  
**Screen-saving functions:** Pixel Shift  
**Keyboard control:** Hidden, Lockable  
**Signal loop through:** RS232, IR Loop through, HDMI1, HDMI 2, Android SoC  
**Energy-saving functions:** Smart Power  
**Network controllable:** RS232, External 4G mPCIe slot, RJ45

## Sound

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

## Power

**Mains power:** 100 ~ 240 VAC, 50 ~ 60 Hz  
**Standby power consumption:** <0.5 W  
**Energy Label Class:** F  
**Consumption:** EEI lot5 58 W

## Supported Display Resolution

**Computer formats:** 1024 x 768, 60 Hz, 1280 x 1024, 60 Hz, 1280 x 720, 60 Hz, 1440 x 900, 60 Hz, 1600 x 900, 60 Hz, 1680 x 1050, 60 Hz, 1920 x 1080, 60 Hz, 640 x 480, 60 Hz, 800 x 600, 60 Hz  
**Video formats:** 1080p, 50, 60 Hz, 1080i, 50, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 576p, 50 Hz, 720p, 50,60 Hz, 480i, 60 Hz

## Dimensions

**Set Width:** 1128.4 mm  
**Product weight:** 14.75 kg  
**Set Height:** 649.0 mm  
**Set Depth:** 63.5 mm  
**Set Width (inch):** 44.43 inch  
**Set Height (inch):** 25.55 inch  
**Wall Mount:** 400 (H) x 400 (V) mm, M6  
**Set Depth (inch):** 2.50 inch  
**Bezel width:** 14.9 mm (Even bezel)  
**Product weight (lb):** 32.52 lb

## Operating conditions

**Altitude:** 0 ~ 3000 m  
**Temperature range (operation):** 0 ~ 40 °C  
**MTBF:** 50,000 hour(s)  
**Temperature range (storage):** -20 ~ 60 °C  
**Humidity range (operation)[RH]:** 20–80% RH (No condensation)  
**Humidity range (storage) [RH]:** 5–95% RH (No condensation)  
**Ingress protection:** IP5X

## Multimedia Applications

**USB Playback Video:** MPEG, H.263, H.264, H.265, AVI, MP4, MPEG4, VP8, VP9, WEBM  
**USB Playback Picture:** BMP, JPEG, PNG  
**USB Playback Audio:** AAC, HEAAC, MPEG

## Internal Player

**CPU:** 4 x A72 + 4 x A53 RK3576 + MT9800  
**GPU:** ARM Mali G52 MC3  
**Memory:** 4 GB RAM  
**Storage:** 32 GB

## Accessories

**Included Accessories:** RS232 daisy-chain cable, Philips logo (x 1), AC Switch Cover, USB Cover (x 1), Screws, AC Power Cord, IR sensor cable (1.8 m) (x 1), Quick start guide, Remote control and AAA batteries, RS232 cable, CRD32 Wi-Fi and BT module

## Miscellaneous

**On-Screen Display Languages:** English, French, German, Spanish, Polish, Turkish, Russian, Italian, Simplified Chinese, Traditional Chinese, Arabic, Japanese, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish  
**Warranty:** 3 year warranty  
**Regulatory approvals:** CE, RoHS, CB

