

# PHILIPS



## EcoDesign

### Signage Solutions

43"

Direct LED Backlight

Ultra HD



43BDL3650QE

## Display better

### EcoDesign 18/7 display

Engage your audience with this environmentally conscious 4K Ultra HD digital display. Delivering uncompromised 4K UHD performance while running on half the power compared to other market models, with the very latest PPDS EcoDesign.

#### **Cost-effective system solution**

- Android SoC processor. Native and web apps

#### **Effortless setup. Total control.**

- FailOver. Ensure that content is always running
- Optional Interact for wireless screen share
- Philips Wave ready for remote management

#### **Smart and powerful**

- Connect and control your content via the cloud
- Wi-Fi and Bluetooth 5.2 via optional module

#### **Sustainable quality. EcoDesign**

- 100% recycled and recyclable packaging
- EPEAT Gold Climate+ certified
- Consumes >50% less energy compared to equivalent models

# Highlights

**PPDS EcoDesign**

Designed with manufacturing processes, physical features, materials, packaging and built-in software that are kinder to the environment and deliver better energy efficiency, the Philips Signage 3650 EcoDesign display is designed to operate using less than half the power of its counterparts, while still delivering the same unrivalled performance.

**EPEAT Gold Climate+ certified**

Recognised by and registered with EPEAT with a Gold Climate+ Ecolabel, the Philips Signage 3650 EcoDesign meets the robust set of criteria laid out by the world's premier ecolabel for electronics.

**Consumes >50% less energy**

Consumes >50% less energy compared to equivalent models

**Powered by Android 10**

Powered by our Android 10 SoC platform, these hard-working displays are optimised for native Android apps, and you can install web apps

directly onto the display too. Flexible and secure, ensuring that display specs stay up to the moment for longer.

**FailOver**

Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back-up content onscreen in the unlikely event of an input source or application failure. Simply select a primary input connection and a FailOver connection and you are ready for instant content protection.

**Interact (optional)**

Wirelessly screen-share using your existing Wi-Fi network to instantly and securely connect devices, or use our optional HDMI Interact dongle to cast directly onto the screen without connecting to the secured network.

**Philips Wave**

Unlock the power, versatility and intelligence inside your Philips Signage 3650 EcoDesign 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.

**SmartBrowser**

Connect and control your content via the cloud with the integrated HTML5 browser. Using the Chromium-based browser, design your content online and connect a single display or your complete network. Show content in both landscape and portrait mode, with full HD resolution. Simply connect the display to the Internet using the optional CRD22 Wi-Fi module or via LAN, and enjoy your own created playlists.

**Integrated media player**

Easily schedule content to play from a USB or from internal memory. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback is done.

# 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:** 350 cd/m<sup>2</sup>  
**Display colours:** 1.06 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, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan  
**Panel technology:** VA  
**Operating system:** Android 10

## Connectivity

**Audio output:** 3.5 mm jack  
**Video input:** HDMI 2.0 (x 2), DVI-I (x 1), USB 2.0 (x 2), USB 3.0 (x 2)  
**Audio input:** 3.5 mm jack  
**Other connections:** micro SD  
**External control:** RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack  
**Optional WiFi functionality:** CRD22 Wi-Fi dongle

## Convenience

**Placement:** Landscape (18/7), Portrait (18/7)  
**Tiled Matrix:** Up to 15 x 15  
**Keyboard control:** Lockable, Hidden  
**Remote control signal:** Lockable  
**Signal loop through:** RS232, IR Loop through  
**Energy-saving functions:** Smart Power  
**Network controllable:** RS232, RJ45

## Sound

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

## Power

**Mains power:** 100–240 V~, 50/60 Hz  
**Consumption (Typical):** 53 W  
**Consumption (Max):** 102 W  
**Standby power consumption:** <0.5 W  
**Power Saving Features:** Smart Power  
**Energy Label Class:** E

## Supported Display Resolution

**Computer formats:** 832 x 624, 75 Hz, 1024 x 768, 60, 70, 75 Hz, 1152 x 864, 75 Hz, 1152 x 870, 75 Hz, 1280 x 1024, 60 Hz, 1280 x 720, 60 Hz, 1280 x 800, 60 Hz, 1440 x 900, 60 Hz, 1600 x 1200, 60 Hz, 1680 x 1050, 60 Hz, 1920 x 1080, 60 Hz, 3840 x 2160, 24, 25, 30, 60 Hz, 640 x 480, 60, 67, 72, 75 Hz, 720 x 400, 70 Hz, 800 x 600, 56, 60, 72, 75 Hz  
**Video formats:** 1080p, 50, 60 Hz, 1080i, 50, 60 Hz, 3840 x 2160p, 24, 25, 30, 60 Hz, 480i, 60 Hz, 480p, 60 Hz, 720p, 50, 60 Hz

## Dimensions

**Set Width:** 973.0 mm  
**Product weight:** 11.29 kg  
**Set Height:** 561.2 mm  
**Set Depth:** 63.5 mm  
**Set Width (inch):** 38.31 inch  
**Set Height (inch):** 22.09 inch  
**Wall Mount:** 200 mm x 200 mm, M6  
**Set Depth (inch):** 2.50 inch  
**Bezel width:** 13.9 mm (Even bezel)  
**Product weight (lb):** 24.91 lb

## Operating conditions

**Altitude:** 0 ~ 3000 m  
**Temperature range (operation):** 0 ~ 40 °C  
**MTBF:** 30,000 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)

## Multimedia Applications

**USB Playback Video:** H.263, H.264, H.265, MPEG1/2, MPEG4, VP8, VP9  
**USB Playback Picture:** JPEG, BMP, PNG  
**USB Playback Audio:** AAC, HEAAC, MPEG

## Internal Player

**CPU:** Quad-Core Cortex A55  
**GPU:** G52 MC1  
**Memory:** 16 GB, 3 GB DDR

## Accessories

**Included Accessories:** IR sensor cable (1.8 m) (x 1), RS232 daisy-chain cable, Philips logo (x 1), AC Power Cord, AC Switch Cover, Cable clip (x2), Quick start guide, RS232 cable, USB Cover (x 1)

## Miscellaneous

**On-Screen Display Languages:** English, French, German, Italian, Polish, Russian, Spanish, Turkish, Simplified Chinese, Traditional Chinese, Arabic, Japanese  
**Warranty:** 3 year warranty  
**Regulatory approvals:** CE, CB, BSMI, FCC, Class A, VCCI, J-Moss, ETL, RoHS

