PHILIPS

Q-Line Display

Signage Solutions

55"

Direct LED Backlight

Ultra HD

55BDL3650Q

Stand out from the crowd

Your versatile and easy-to-set-up 18/7 display

Inform and enthral with a Philips Q-Line 4K Ultra HD digital display. This reliable, easy-to-install, Android-powered signage solution is Wave-ready for remote management, putting you in full control, any time, anywhere.

Effortless setup. Total control.
- Optional Interact for wireless screen share
- Catch the Wave for revolutionary results

Cost-effective system solution
- Easy control. Remotely manage networked displays
- Easily schedule content from a USB or internal memory

Smart and powerful
- Connect and control your content via the cloud
- Android SoC processor. Native and web apps
- WiFi connection made easy with an optional CRD22 module

Versatile system solution
- Ultra-HD. Rich images. Stunning contrast
- FailOver. Ensure your display never goes blank

Highlights

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 either a single display or your complete network. Show content in both landscape and portrait mode, with fullHD resolution. Simply connect the display to the Internet using WiFi or with an RJ45 cable, and enjoy your own curated playlists.

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.

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.

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 into the secured network.

Powered by Android 10

Powered by our Android 10 SoC platform, these hardworking Philips professional displays are optimised for native Android apps, and you can install web apps directly onto the display too. Flexible and secure, ensuring display specs stay up to the moment for longer.

PPDS Wave

Unlock the power, versatility and intelligence inside your Philips Q-Line 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.

SmartControl   SmartPlayer   Clinical D-Image   SmartPower   **4K** Ultra HD

Specifications

Picture/Display

Diagonal screen size: 54.6 inch / 138.7 cm
Panel resolution: 3840 x 2160
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 400 cd/m²
Contrast ratio (typical): 1300:1
Dynamic contrast ratio: 500,000:1
Response time (typical): 9 ms
Aspect ratio: 16:9
Viewing Angle (H / V): 178 / 178 degree
Pixel pitch: 0.315 x 0.315 mm
Display colours: 1.07 Billion
Operating system: Android 10
Panel technology: ADS
Picture enhancement: 3/2 – 2/2 motion pull down, Dynamic contrast enhancement, Progressive scan
Haze: 2%

Supported Display Resolution

Computer formats

Resolution	Refresh rate
1920 x 1080	60 Hz
1600 x 1200	60 Hz
1440 x 900	60 Hz
1280 x 1024	60 Hz
1280 x 720	60 Hz
1280 x 800	60 Hz
1024 x 768	60, 70, 75 Hz
1680 x 1050	60 Hz
3840 x 2160	60 Hz

Video formats

Resolution	Refresh rate
1080p	50, 60 Hz
1080i	50, 60 Hz
720p	50,60 Hz
2160p	50, 60 Hz

Connectivity

Video input: HDMI 2.0 (x 2), USB 2.0 (x 2), DVI-I (x 1), USB 3.0 (x1)
Audio input: 3.5 mm jack
Audio output: 3.5 mm jack
External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
Other connections: micro SD

Convenience

Energy-saving functions: Smart Power
Tiled Matrix: Up to 3 x 3
Keyboard control: Lockable, Hidden

Network controllable: RS232, RJ45
Signal loop through: RS232, IR Loop through
Placement: Landscape (18/7), Portrait (18/7)
Remote control signal: Lockable

Dimensions

Bezel width: 13.9 mm (Even bezel)
Set dimensions (W x H x D): 1241.8 x 712.6 x 63.6 mm
Set dimensions in inch (W x H x D): 48.89 x 28.06 x 2.50 inch
Wall Mount: 400 mm x 400 mm, M6
Product weight: 16.6 kg
Product weight (lb): 36.60 lb

Operating conditions

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

Power

Mains power: 100 ~ 240 VAC
Standby power consumption: <0.5 W
Consumption (Max): TBD
Consumption (Typical): TBD W
Power Saving Features: Smart Power
Energy Label Class: G

Sound

Built-in speakers: 2 x 10 W RMS

Multimedia Applications

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

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, Quick start guide, Remote control and AAA batteries, RS232 cable, USB cover and screws, Wire Clamper (x 3)

Miscellaneous

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

Internal Player

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

PHILIPS