**Philips Signage Solutions
Q-Line Display**

55"
Direct LED Backlight
Ultra HD

SignageSolutions

55BDL3650QE

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.

Effortless setup. Total control.
- Optional Interact for wireless screen share
- PPDS Wave ready for remote management
- FailOver. Ensure content is always running

Cost-effective system solution
- Android SoC processor. Native and web apps

Smart and powerful
- Connect and control your content via the cloud
- Wifi and Bluetooth 5.2 via optional module

Sustainable quality. EcoDesign
- Consumes >50% less energy compared to equivalent models
- EPEAT Silver Climate+ certified
- 100% recycled and recyclable packaging

PHILIPS

Q-Line Display
55" Direct LED Backlight, Ultra HD

55BDL3650QE/00

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: 300 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.315 x 0.315 mm
- Display colors: 1.06 Billion
- Operating system: Android 10
- Panel technology: IPS
- Picture enhancement: 3/2 - 2/2 motion pull down, Dynamic contrast enhancement, Motion compens. deinterlacing

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
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
720 x 400	70Hz
640 x 480	60, 67, 72, 75Hz
1152 x 870	75Hz
1680 x 1050	60Hz
800 x 600	56, 60, 72, 75Hz
1152 x 864	75Hz
832 x 624	75Hz
3840 x 2160	24,25,30,60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
1080p	50, 60Hz
1080i	50, 60Hz
720p	50,60 Hz
3840 x 2160p	24,25,30,60Hz

Connectivity
- Video input: DVI-I (x 1), HDMI 2.0 (x2), USB 2.0 (x2), USB 3.0 (x2)
- 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
- Optional WiFi functionality: CRD22 wifi dongle
- Other connections: micro SD, OPS

Convenience
- Energy saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Lockable, Hidden

- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loopthrough
- 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: 400mm x 400mm , M6
- Product weight: 17.2 kg
- Product weight (lb): 37.92 lb

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- MTBF: 30,000 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): 120 W
- Consumption (Typical): 70 W
- Power Saving Features: Smart Power
- Energy Label Class: D

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

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

Accessories
- Included Accessories: IR sensor cable (1.8 m) (x1), RS232 daisy-chain cable, Philips logo (x1), AC Power Cord, AC Switch Cover, Cable clip (x2), Quick start guide, RS232 cable, USB Cover (x1)

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, BSMI, FCC, Class A, VCCI, J-Moss, ETL, RoHS

Internal Player
- CPU: Dual core cortex A53 1.1G Hz, Dual core

 ULTRA RESOLUTION   SmartControl   SmartPlayer   Clinical D-Image   SmartPower

Highlights

PPDS EcoDesign
Cortex A73 1.5GHz, Quad Core Cortex A55 GPPhe G52 MC1 manufacturing processes, physical features, memory 16GB 3GB DDR, 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.

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 display specs stay up to the moment for longer.

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 Wifi module or via LAN, and enjoy your own created playlists.

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

FailOver
Critical for demanding commercial applications, FailOver is a revolutionary technology that automatically plays back-up content on screen 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 Wifi 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.

PPDS 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 set-up, monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules. Saving you time, energy, and environmental impact.

Integrated media player
Easily schedule content to play from 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.

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