



Philips Signage Solutions
Q-Line Display

55"
3840 x 2160 (4K UHD)

SignageSolutions



55BDL2050Q

Intensify your signage experience

With priceless performance

Deliver startlingly clear images in a more eco-friendly way with the Q-Line display. High on performance and reliability, yet low on power consumption, it is ideal for projects where no compromise is accepted.

Operational flexibility

- USB Media Playback

Optimized for public viewing

- 4K Ultra HD: resolution like you've never seen it before

Sustainable and safe

- Complies with RoHS standards to care for the environment

Expand your viewing experience

- Brilliant LED images with low power consumption

Innovative solutions for any signage application

- Android: Run your own app or choose your favorite app to run
- Cloud CMS

PHILIPS

Specifications

Picture/Display

- Diagonal screen size: 55 inch / 138.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @60 Hz
- Brightness: 450 cd/m²
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.315 (H) x 0.315 (V) [mm]
- Display colors: 1.07B
- Panel technology: ADS
- Contrast ratio (typical): 1200:1
- Operating system: Android
- Placement: Landscape, Portrait

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60, 75Hz
720 x 400	70Hz
800 x 600	60Hz
832 x 624	75Hz
1024 x 768	60Hz
1152 x 870	75Hz
1280 x 720	60Hz
1280 x 1024	60Hz
1600 x 900	60Hz
1680 x 1050	60Hz
1920 x 1080	60Hz
3840 x 2160	30, 60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	50, 60Hz
2160p	24, 25, 30, 60Hz

Connectivity

- Video input: HDMI 2.0 (x2), USB 2.0 (x2)
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- External control: RJ45, RS232

Convenience

- Energy saving functions: Smart Power

- Network controllable: RS232, RJ45, WiFi
- Keyboard control: Lockable
- Remote control signal: Lockable

Operating conditions

- Temperature range (operation): 0 - 50 °C
- Temperature range (storage): -20 - 60 °C
- Relative humidity: 20 - 80 (operation), 10 - 90% (storage) %
- Altitude: 0 - 3000 m
- MTBF: 50,000 hour(s)

Power

- Consumption (Typical): 130 W
- Consumption (Max): 170 W
- Standby power consumption: <0.5 W
- Mains power: AC 90-264V@50Hz/60Hz
- Power Saving Features: Smart Power

Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, Quickstart guide

Miscellaneous

- On-Screen Display Languages: English, Simplified Chinese
- Warranty: 3 years warranty

Multimedia Applications

- USB Playback Video: 3GP, MKV, MP4, VOB
- USB Playback Picture: BMP, GIF, JPEG, JPG, PNG
- USB Playback Audio: AAC, M4A, MP3, WMA, MP1, MP2

Internal Player

- CPU: Quad core A55 1.2 G Hz
- GPU: Multi-Core Mali-G52
- Memory: 2GB DDR3
- Storage: 8GB eMMC
- Wifi: 802.11 b/g/n 2T*2R

Dimensions

- Set dimensions (W x H x D): 1231 x 707 x 62.5 mm
- Bezel width: L/T/R: 9.8mm , B: 15.1mm
- VESA Mount: 200 x 200mm
- Product weight: 13.51 kg

Highlights

4K Ultra HD Resolution

See your Signage Solutions like never before thanks to four times the resolution of a conventional Full HD display. 3840 x 2160 pixels provide an image so refined, so lifelike, it's a window to a new world.

Powered by Android

With Android OS integrated into the display, you can work with the most developed OS on the planet and save your own app directly into the display. Or, choose from the large library of Android apps and play content from there. With the built-in scheduler, you can daypart your apps and content based on your customer and time of day and with the auto orientation feature, showing content in portrait or landscape is as simple as turning the display.

LED with low power consumption



LED lighting technology is the most advanced available. In this TV it combines an eye-catching minimalist design with stunning image quality, as well as being the lowest power consumption in its category. Another environmental benefit is that LED lighting technology does not contain hazardous materials. With an LED backlight you can enjoy low power consumption, high brightness, incredible contrast and sharpness and vibrant colors.

Cloud CMS

Easy-to-use content management system that works with Philips Signage Solutions displays to manage your digital signage content. With Cloud CMS, create and schedule your own content over 24 hours every day. Simply create your network, design your content, schedule your playlist and you are ready to play!

Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

USB Playback

Enjoy your own media playback via the USB port. Simply plug in a USB drive, and create your own signage content to convey the marketing messages you want, when you want them. With a wide range of media formats supported, this powerful media player offers an excellent picture and true flexibility.



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