



Philips Signage Solutions
Q-Line Display

50"

Direct LED Backlight
Ultra HD

SignageSolutions



50BDL3550Q

Stand out

Easy-setup 18/7 display.

Inform and enthrall with a Philips Q-Line Professional Ultra HD Display. This reliable solution can be up and running as quickly as you need.

Effortless setup. Total control.

- Operate, monitor and maintain with CMND and Control
- CMND and Create. Develop and launch your own content

Cost-effective system solution

- Integrated media player. Easily schedule USB content
- Easy control. Remotely manage networked displays
- FailOver ensures that content is always playing

Smart and powerful

- Android SoC processor. Native and web apps
- Connect and control your content over the internet

Superb picture. Ultra-high brightness.

- Ultra-HD. Rich images. Stunning contrast

PHILIPS

Highlights

CMND and Control

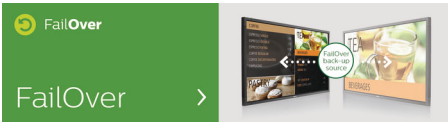


Run your display network over a local (LAN) connection. CMND and Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

Integrated media player

Easily schedule content to play from USB. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback has finished.

FailOver



From waiting room to meeting room, never show a blank screen. FailOver lets your Philips

Professional Display switch automatically between primary and secondary inputs, ensuring that content keeps playing even if the primary source goes down. Simply set a list of alternative inputs to be sure your business is always on.

CMND and Create



Take control of your content with CMND and Create. A drag-and-drop interface makes it simple to publish your own content, whether it's a daily specials board or branded corporate information. Preloaded templates and integrated widgets ensure that your stills, text and video will be up and running in no time.

Powered by Android 8

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimised for native

Android apps and you can install web apps directly to the display too. A new Android 8 OS ensures the software is kept secure and stays up to date with the latest specification for longer.

SmartBrowser

Connect and control your content over the internet 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. Streaming content can also be shown in a PIP (picture-in-picture) window. Simply connect the display to the internet using Wi-Fi (optional) or with an RJ45 cable and enjoy your own created playlist

Specifications

Picture/Display

- Diagonal screen size: 49.5 inch / 125.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m²
- Contrast ratio (typical): 4000:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.2854 x 0.2854 mm
- Display colours: 1.07 Billion
- Panel technology: VA
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan
- Clinical image: D-Image preset (dicom part 14 compatible)
- Operating system: Android 8.0

Supported Display Resolution

Computer formats

Resolution	Refresh rate
1920 x 1080	60 Hz
1680 x 1050	60 Hz
1600 x 1200	60 Hz
1440 x 900	60 Hz
1280 x 1024	60 Hz
1280 x 800	60 Hz
1280 x 720	60 Hz
1152 x 870	75 Hz
1024 x 768	60, 70, 75 Hz
800 x 600	56, 60, 72, 75 Hz
720 x 400	70 Hz
640 x 480	60, 67, 72, 75 Hz
1152 x 864	75 Hz
832 x 624	75 Hz

Video formats

Resolution	Refresh rate
3840 x 2160	60 Hz
3840 x 2160	30Hz
576p	50 Hz
576i	50 Hz
480p	60 Hz
480i	60 Hz
1080p	50, 60 Hz
1080i	50, 60 Hz
720p	50,60 Hz

Connectivity

- Video input: DVI-D (x 1), HDMI 2.0 (x 2), USB 2.0 (x 2), VGA (Analogue D-Sub) (x 1)
- 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

Convenience

- Energy-saving functions: Smart Power
- Tiled Matrix: Up to 15 x 15
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable/disable Philips logo
- Keyboard control: Lockable, Hidden
- Network controllable: RS232, RJ45
- Signal loop through: RS232, IR Loop through
- Placement: Landscape (16/7)
- Remote control signal: Lockable

Dimensions

- Bezel width: 14.9 mm (Even bezel)
- Set dimensions (W x H x D): 1128.4 x 649.0 x 63.5 mm
- Set dimensions in inch (W x H x D): 44.43 x 25.55 x 2.50 inch
- VESA Mount: 400 mm x 400 mm, M6
- Product weight: 12.75 kg
- Product weight (lb): 32.52 lb

Operating conditions

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

Power

- Mains power: 100~240 V~, 50/60 Hz
- Standby power consumption: <0.5 W
- Consumption (Max): 145
- Consumption (Typical): 115 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, VP8
- USB Playback Picture: JPEG, BMP, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

Accessories

- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide, HDMI cable
- Included Accessories: IR sensor cable (1.8 m) (x 1), RS232 daisy-chain cable, Philips logo (x 1), USB Cover and screw (x 2)
- Stand: BM05922(optional)

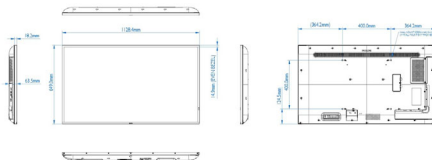
Miscellaneous

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

Internal Player

- CPU: Dual core cortex A53 1.1 GHz, Dual core cortex A73 1.15 GHz
- GPU: ARM Mali G51
- Memory: 2 GB DDR3, 8 GB

Philips 50BDL3550Q
Version: 1.2
Release Date: 2020/04/03



Issue date 2021-03-29

Version: 3.1.1

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