



Philips Signage Solutions  
Q-Line Display

50"

Direct LED Backlight  
Ultra HD



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.

### Cost-effective system solution

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

### Effortless setup. Total control.

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

### Smart and powerful

- Android SoC processor. Native and web apps
- Connect and control your content via the cloud

### 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.

### Easy control

Easy control. Remotely manage networked displays

## 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.

### Ultra-HD Resolution

Ultra-HD. Rich images. Stunning contrast

## 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 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.

# Specifications

## Connectivity

- Audio output: 3.5 mm jack
- 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
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

## 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: 400 cd/m<sup>2</sup>
- Display colours: 1.07 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, 3D Combfilter, 3D MA deinterlacing, Dynamic contrast enhancement, Motion compens. deinterlacing, Progressive scan
- Panel technology: VA
- Operating system: Android 8.0
- Clinical image: D-Image preset (dicom part 14 compatible)

## 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
- Start-up: Switch on delay, Switch on status, Boot on source
- Start-up window: enable/disable Philips logo

## Sound

- Built-in speakers: 2 x 10 W RMS

## Power

- Mains power: 100–240 V~, 50/60 Hz
- Consumption (Typical): 115 W

- Consumption (Max): 145
- Standby power consumption: <math><0.5\text{ W}</math>
- Power Saving Features: Smart Power
- Energy Label Class: G

## Supported Display Resolution

- Computer formats: 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: 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

## Dimensions

- Set Width: 1128.4 mm
- Product weight: 14.75 kg
- Set Height: 649.0 mm
- Set Depth: 63.5 mm
- Set Width (inch): 44.43 inch
- Set Height (inch): 25.55 inch
- Wall Mount: 400 mm x 400 mm, M6
- Set Depth (inch): 2.50 inch
- Bezel width: 14.9 mm (Even bezel)
- Product weight (lb): 32.52 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: MPEG, H.264, H.263, H.265
- USB Playback Picture: JPEG, BMP, PNG
- USB Playback Audio: AAC, HEAAC, MPEG

## 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

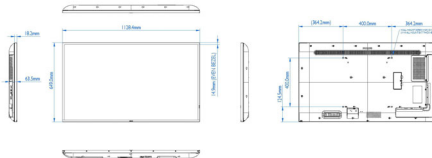
## Accessories

- Included accessories: AC Power Cord, RS232 cable, Remote Control, Batteries for remote control, Quick start guide
- 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

- 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, CU, EPA, ETL, FCC, Class A, VCCI, J-Moss

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