

PHILIPS



Q-Line Display

Signage Solutions

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

Highlights

CMND and Control

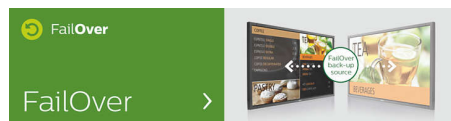


Run your display network over a local (LAN) connection. CMND and Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

Integrated media player

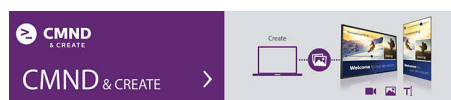
Easily schedule content to play from USB. Your Philips Professional Display will wake from standby to play the content you want, and then return to standby once playback has finished.

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 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

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/m²
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)

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

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: <0.5 W
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

Philips 50BDL3550Q
Version: 1.0
Release Date: 2020/04/03

