



Q-Line Display

- 50"
- Direct LED Backlight
- Ultra HD

50BDL3550Q/00

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.

Benefits

Effortless setup. Total control.

- Operate, monitor and maintain with CMND & Control
- CMND & 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 content is always playing

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

Features

CMND & Control



Run your display network over a local (LAN) connection. CMND & 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 is done.

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 content keeps playing even if the primary

source goes down. Simply set a list of alternate inputs to be sure your business is always on.



Take control of your content with CMND & 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 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 optimized for native Android apps, and you can install web apps directly to the display too. A new Android 8 ensures the software is kept secure and remain to 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 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 created playlists.

Specifications

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Picture/Display

Diagonal screen size (metric)	125.7 cm
Diagonal screen size (inch)	49.5 inch
Panel resolution	3840 x 2160
Optimum resolution	3840 x 2160 @ 60 Hz
Brightness	400 cd/m ²
Contrast ratio (typical)	4000:1
Dynamic contrast ratio	500,000:1
Response time (typical)	8 ms
Aspect ratio	16:9
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Pixel pitch	0.2854 x 0.2854 mm
Display colors	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

1600 x 1200, 60Hz
1440 x 900, 60Hz
1280 x 1024, 60Hz
1280 x 800, 60Hz
1280 x 720, 60Hz
1152 x 870, 75Hz
1024 x 768, 60, 70, 75Hz
800 x 600, 56, 60, 72, 75Hz
720 x 400, 70Hz
640 x 480, 60, 67, 72, 75Hz
1152 x 864, 75Hz
832 x 624, 75Hz
3840 x 2160, 60Hz
3840 x 2160, 30Hz
576p, 50Hz
576i, 50Hz
480p, 60Hz
480i, 60Hz
1080p, 50, 60Hz
1080i, 50, 60Hz
720p, 50,60 Hz

Video formats

Connectivity

Video input	DVI-D (x1) HDMI 2.0 (x2) USB 2.0 (x2) VGA (Analog D-Sub) (x1)
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

Supported Display Resolution

Computer formats	1920 x 1080, 60Hz 1680 x 1050, 60Hz
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Convenience

Energy saving functions	Smart Power
Tiled Matrix Start-up	Up to 15 x 15 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
Placement	IR Loopthrough Landscape (18/7) Portrait (18/7)
Remote control signal	Lockable

Dimensions

Bezel width	14.9 mm (Even bezel)
Set Width	1128.4 mm
Set Height	649.0 mm
Set Depth	63.5 mm
Set Width (inch)	44.43 inch
Set Height (inch)	25.55 inch
Set Depth (inch)	2.50 inch
Wall Mount	400mm x 400mm , M6
Product weight	14.75 kg
Product weight (lb)	32.52 lb

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
MTBF	30,000 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 - 240V~, 50/60Hz
Standby power consumption	<0.5W
Consumption (Max)	145
Consumption (Typical)	115 W
Power Saving Features	Smart Power
Energy Label Class	G

Sound

Built-in speakers	2 x 10W RMS
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Multimedia Applications

USB Playback Video	MPEG H.264 H.263 H.265
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
Included Accessories	IR sensor cable (1.8 m) (x1) RS232 daisy-chain cable Philips logo (x1) USB Cover and screw (x2) BM05922(optional)
Stand	

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 J-Moss

Internal Player

CPU	Dual core cortex A53 1.1G Hz Dual core cortex A73 1.15G Hz
GPU	ARM Mali G51
Memory	2GB DDR3 8GB



data subject to change
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