Philips Signage Solutions D-Line Display

50"
4K UHD
500 cd/m²

SignageSolutions

50BDL4510D

Say more

Smart, fast, 24/7 display.

Amaze your guests with a smarter, faster, signage display. With integrated WiFi and designed for running Android apps, it's the next evolution in signage solutions.

Operational flexibility
• SmartPower for energy saving

Brilliant picture. Blazing processor speed.
• Place in landscape or portrait orientation
• 4K UHD. Rich, deep images. Stunning contrast

Effortless setup. Total control.
• Operate, monitor and maintain with CMND and Control
• Schedule what you want, when you want with SmartPlayer

Cost-effective system solution
• Energy-saving automatic backlight control
• FailOver ensures that content is always playing
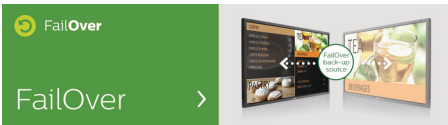
PHILIPS

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.
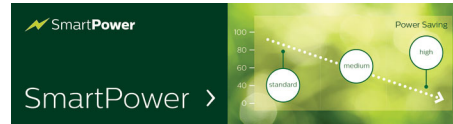
FailOver

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.

SmartPower

The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

SmartPlayer

Turn your USB into a true cost-effective digital signage device. Simply save your content (video, audio, pictures) on your USB and plug into your display. Create your playlist and schedule your content via the on-screen menu, and enjoy your own playlists anytime, anywhere.

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: 500 cd/m²
- Contrast ratio (typical): 4000:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.2854 x 0.2854 mm
- Display colours: 1.07 G Billion
- Viewing Angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan
- Panel technology: VA

Connectivity
- Video input: Display Port1.2 (x 1), DVI-I (x 1), HDMI 2.0 (x 2), USB 2.0 (x 2)
- Video output: DisplayPort 1.2 (x 1), HDMI 2.0 (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

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1920 x 1080	60 Hz
1024 x 768	60 Hz
1280 x 1024	60 Hz
1280 x 720	60 Hz
1440 x 900	60 Hz
1600 x 900	60 Hz
1680 x 1050	60 Hz
3840 x 2160	30, 60 Hz
640 x 480	60 Hz
800 x 600	60 Hz

- Video formats

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

Dimensions
- 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
- Bezel width: 14.9 mm (Even bezel)
- Product weight (lb): 32.52 lb
- Product weight: 14.75 kg
- VESA Mount: 400 (H) x 400(V) mm, M6

Convenience
- Placement: Landscape (24/7), Portrait (24/7)
- Keyboard control: Hidden, Lockable
- Signal loop through: RS232, IR Loop through, DisplayPort, HDMI
- Network controllable: RS232, RJ45
- Energy-saving functions: Smart Power
- Screen-saving functions: Pixel Shift, Low Bright

Power
- Standby power consumption: 0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 105 W
- Consumption (Max): 165 W

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

Sound
- Built-in speakers: 2 x 10 W RMS

Accessories
- Included accessories: Quick start guide, RS232 cable, AC Power Cord, HDMI cable, Remote Control and AAA Batteries
- Stand: BM05922(Optional)
- Included Accessories: RS232 daisy-chain cable, Philips logo (x 1), Screws, USB Cover (x 1), AC Switch Cover
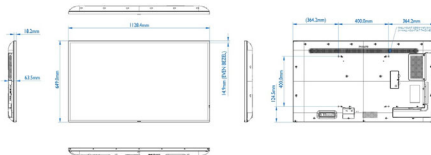
Multimedia Applications
- USB Playback Audio: AAC, HEAAC, MPEG
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Video: MPEG, H.263, H.264, H.265, VP8

Miscellaneous
- On-Screen Display Languages: English, French, German, Spanish, Polish, Turkish, Russian, Italian, Simplified Chinese, Traditional Chinese, Arabic, Japanese, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish
- Regulatory approvals: CE, CCC, RoHS, BSMI, CB, VCCI, CU, EMF, EnergyStar 8.0, ETL, FCC, Class A, PSB
- Warranty: 3 year warranty

Philips 50BDL4550D
Version: 1.1
Release Date: 2020/08/11

PHILIPS