



Philips Signage Solutions  
D-Line Display

50"  
4K UHD  
500cd/m<sup>2</sup>

**SignageSolutions**



50BDL4511D

## Say more

Smart, fast 24/7 display.

Make it stand out with a fast Philips D-Line Professional 4K UHD display. Philips superb picture quality ensures true colors and intense contrast. You can effortlessly display content from multiple sources on a single screen.

### Operational flexibility

- Optional OPS Slot
- 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 & Control
- Schedule what you want, when you want with SmartPlayer

### Cost-effective system solution

- Energy-saving automatic backlight control
- FailOver ensures content is always playing

**PHILIPS**

# Specifications

## Picture/Display

- Diagonal screen size: 49.5 inch / 125.7 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 500 cd/m<sup>2</sup>
- 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 colors: 1.07 Billion
- Panel technology: VA
- Contrast ratio (typical): 4000:1
- Haze: 25%

## Supported Display Resolution

### Computer formats

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

### Video formats

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

## Connectivity

- Video input: Display Port1.2 (x1), DVI-I (x 1), HDMI 2.0 (x2), USB 2.0 (x2)
- Audio input: 3.5 mm jack
- Video output: DisplayPort 1.2 (x1), HDMI 2.0 (x1)
- Audio output: 3.5mm jack
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack
- Other connections: OPS

## Convenience

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

## 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)

## Power

- Consumption (Typical): 91 W
- Consumption (Max): 190 W
- Standby power consumption: 0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Energy Label Class: G

## Sound

- Built-in speakers: 2 x 10W RMS

## Accessories

- Stand: BM05922(Optional)
- Included Accessories: AC Switch Cover, Philips logo (x1), RS232 daisy-chain cable, AC power cord, IR sensor cable (1.8 m) (x1), Quick start guide (x1), Remote control & AAA batteries, RS232 cable, USB Cover and screw x1, Wire Clamper (x3)

## Miscellaneous

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

## Multimedia Applications

- USB Playback Video: H.263, H.264, H.265, MPEG
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, MPEG, HEAAC

## 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)
- Wall Mount: 400 (H) x 400(V) mm, M6
- Product weight: 14.75 kg
- Product weight (lb): 32.52 lb

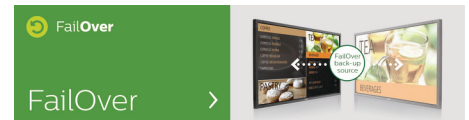
# Highlights

## CMND & Control



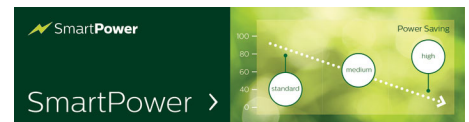
Run your display network over a local (LAN) connection. CMND & Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

## 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.

## 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 created playlists anytime, anywhere.



Issue date 2022-11-07

Version: 3.0.1

12 NC: 8670 001 78311  
EAN: 87 12581 77865 1

© 2022 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)