Philips Signage Solutions
D-Line Display

55"
Powered by Android
450 cd/m²

SignageSolutions

55BDL4051D

Say more

Smart, fast, 24/7 display.

Make it stand out with a faster Philips D-Line Professional display. With superb Philips picture quality and Android SoC, this display is more powerful than ever before, capable of delivering complex content to capture your audience's attention.

Superb picture. Blazing processor speed.
- Android 7. Dedicated Android processor
- Proof of Play for Android content. Know what's playing
- Integrated dual-band WiFi

Effortless setup. Total control.
- CMND and Control. Operate, monitor, maintain
- CMND and Create. Develop and launch your own content
- CMND & Deploy. Install and launch apps remotely
- Integrated mPCIe slot for optional 4G/LTE module

Cost-effective system solution
- FailOver. Ensure your display never goes blank
- Integrated HTML5 browser. Play and control online content
- Energy-saving automatic backlight control

PHILIPS

Highlights

Powered by Android

Control your Philips professional display via an internet connection. The integrated Android OS (SoC) lets you install web and native Android apps directly onto the display. A built-in scheduler makes it easy to launch apps and content based on time of day or user.

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.

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.

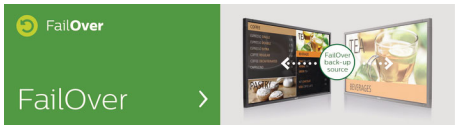
CMND & Deploy

Quickly install and launch any app - even when you're off site and working remotely. CMND & Deploy lets you add and update your own apps, as well as apps from the Philips Professional Display App Store. Simply scan the QR code, log in to the store and click on the app you want to install. The app will be automatically downloaded and launched.

Integrated mPCIe slot

Easily connect 4G/LTE modules to your Philips professional display. The integrated mPCIe slot enables your display to communicate with other devices that share the same wireless connectivity. Invaluable if you're installing displays in locations such as banks or government buildings, where you cannot access the local network.

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.

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55BDL4051D/00

Specifications

Picture/Display
- Diagonal screen size: 54.64 inch / 138.8 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 1100:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.630 x 0.630 mm
- Display colours: 16.7 million
- Viewing Angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Progressive scan
- Panel technology: IPS
- Placement: Landscape, Portrait

Connectivity
- Video input: DisplayPort 1.2 x 1, DVI-I x 1, HDMI (x 2)
- Video output: DisplayPort 1.2 x 1, DVI-I 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
- Other connections: micro USB, USB 3.0, USB 2.0, micro SD, mPCIe

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1920 x 1200	60 Hz
1920 x 1080	60 Hz
1680 x 1050	60 Hz
1600 x 1200	60 Hz
1600 x 900	60 Hz
1400 x 1050	60, 75 Hz
1440 x 1050	60 Hz
1440 x 900	60, 75 Hz
1366 x 768	60 Hz
1360 x 768	60 Hz
1280 x 1024	60, 67, 75 Hz
1280 x 768	60 Hz, 75 Hz
1024 x 768	60, 70 Hz
1152 x 864	60, 70, 75 Hz
1152 x 900	66 Hz
1280 x 720	60, 70 Hz
1280 x 800	60, 75 Hz
1280 x 960	60 Hz
960 x 720	75 Hz
848 x 480	60 Hz
832 x 624	75 Hz
800 x 600	56, 60, 72, 75 Hz
720 x 400	70 Hz
640 x 480	60, 67, 72, 75 Hz
640 x 350	70 Hz

- Video formats

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

Dimensions
- Set dimensions (W x H x D): 1233.4 x 710.3 x 45.5 mm
- Set dimensions in inch (W x H x D): 48.56 x 27.96 x 1.79 inch
- Bezel width: 9.6 mm (T/L/R), 15.7 mm (B)
- Product weight (lb): 39.68 lb
- Product weight: 18 kg
- VESA Mount: 400 x 400 mm, M6

Convenience
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal Loop Through: IR Loop through, DisplayPort, DVI, RS232
- Network controllable: RJ45, RS232
- Screen-saving functions: Pixel Shift, Low Bright
- Picture in picture: PIP

Power
- Standby power consumption: <0.5 W
- Mains power: AC (100–240 V), 2.5 A
- Consumption (Typical): 85 W
- Consumption (On mode): 150 W (max)

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -10–50 °C
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)
- Humidity range (operation)[RH]: 10–80% (without condensation)
- Humidity range (storage) [RH]: 0–90% (without condensation)

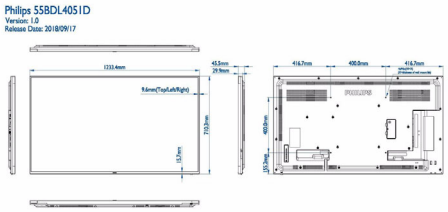
Sound
- Built-in speakers: 2 x 10 W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord
- Stand: Universal Stand-L (BM05922) (Optional)
- Included Accessories: Edge Alignment Kit (1)-2pcs, Edge Alignment Kit (2)-1pcs, M2 Screw x 2, M3 screw x 1, Philips logo, RS232 daisy-chain cable, SD card cover x 1, Thumb Screw x 8

Multimedia Applications
- USB Playback Audio: AAC, M4A, MP3, WMA
- USB Playback Picture: BMP, JPEG, JPG, PNG
- USB Playback Video: MKV, MP4, MPEG, MPG, TS, VOB, WMV, ASF, AVI, DAT, FLV

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, BSMI, CB, EAC, FCC, Class A, PSB, UL/cUL, EMF, EnergyStar 8.0
- Warranty: 3 year warranty

Internal Player
- CPU: Dual-Core Cortex-A72 @2 GHz, Quad-Core Cortex-A53 @ 1.5 GHz, RK3399
- GPU: ARM Mali-T860 MP4
- Memory: 4 GB DDR3
- Storage: 16 GB EMMC
- Wi-Fi: 2T2R, 802.11 ac/a/b/g/n, WCT07R2201
- Operating system: Android 7.1.2



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