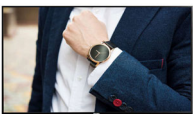## Philips Signage Solutions D-Line Display

55"
Powered by Android
450cd/m²

55BDL4051D

Say more

Smart, fast 24/7 display.

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

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.
- Operate, monitor and maintain with CMND & Control
- CMND & 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
- Energy-saving automatic backlight control
- Integrated HTML5 browser. Play and control online content
- FailOver ensures content is always playing

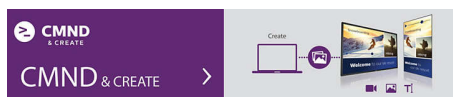# PHILIPS

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 to the display. A built-in scheduler makes it easy to launch apps and content based on time of day, or user.

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.

CMND & Create

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.
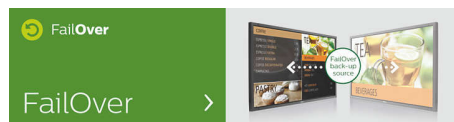
CMND & Deploy

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 is 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 get onto 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 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.

Energy-saving

Energy-saving automatic backlight control

Integrated dual-band WiFi

Integrated dual-band WiFi

Integrated HTML5 browser

Integrated HTML5 browser. Play and control online content

Proof of Play

Be sure your Android-powered Philips Professional Display is showing the right content-even when you're not there. When playing content via the embedded media player, you can set up your display to take automatic screenshots at regular intervals. Screenshots are stored on the display's internal memory, and you can choose to receive them via email.

Specifications

Connectivity
- Audio output: 3.5mm jack
- Video input: Display Port1.2 (x1), DVI-I (x 1), HDMI (x2)
- Audio input: 3.5 mm jack
- Other connections: micro USB, USB 3.0, USB 2.0, micro SD, mPCIe
- Video output: DisplayPort 1.2 (x1), DVI-I (x1)
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Picture/Display
- Diagonal screen size (metric): 138.8 cm
- Diagonal screen size (inch): 54.64 inch
- Aspect ratio: 16:9
- Panel resolution: 1920x1080p
- Pixel pitch: 0.630 x 0.630 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 450 cd/m²
- Display colors: 16.7 million
- Contrast ratio (typical): 1100:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 12 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 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

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

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

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

Supported Display Resolution
- Computer formats: 1920 x 1200, 60Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 1600 x 1200, 60Hz, 1600 x 900, 60Hz, 1400 x 1050 ,60, 75Hz, 1440 x 1050, 60Hz, 1440 x 900, 60, 75Hz, 1366 x 768, 60Hz, 1360 x 768, 60Hz, 1280x1024, 60,67,75Hz, 1280 x 768, 60Hz, 75Hz, 1024x768, 60,70Hz, 1152 x 864, 60, 70, 75Hz, 1152 x 900, 66Hz, 1280 x 720, 60,70Hz, 1280 x 800, 60,75Hz, 1280 x 960, 60Hz, 960x720, 75Hz, 848 x 480, 60Hz, 832 x 624, 75Hz, 800 x 600, 56, 60, 72, 75Hz, 720 x 400, 70Hz, 640 x 480, 60, 67, 72, 75Hz, 640 x 350, 70Hz
- Video formats: 1080p, 50, 60Hz, 1080i, 50, 60Hz, 720p, 50, 60Hz, 576i, 50Hz, 576p, 50Hz, 480p, 60Hz, 480i, 60Hz

Dimensions
- Set Width: 1233.4 mm
- Product weight: 18 kg
- Set Height: 710.3 mm
- Set Depth: 45.5 mm
- Set Width (inch): 48.56 inch
- Set Height (inch): 27.96 inch
- Wall Mount: 400 x 400 mm, M6
- Set Depth (inch): 1.79 inch
- Bezel width: 9.6 mm (T/L/R), 15.7 mm (B)
- Product weight (lb): 39.68 lb

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

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

Internal Player
- CPU: Dual-Core Cortex-A72 @2GHz, Quad-Core Cortex-A53 @ 1.5GHz, RK3399
- GPU: ARM Mali-T860 MP4

- Memory: 4GB DDR3
- Storage: 16GB EMMC
- Wifi: 2T2R, 802.11 ac/a/b/g/n, WCT07R2201
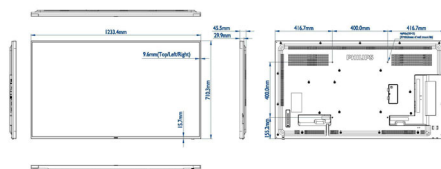- Operating system: Android 7.1.2

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord
- Included Accessories: Edge Alignment Kit (1)-2pcs, Edge Alignment Kit (2)-1pcs, M2 Screw (x2), M3 screw (x1), Philips logo (x1), RS232 daisy-chain cable, SD card cover (x1), Thumb Screw (x8)
- Stand: Universal Stand-L (BM05922)(Optional)

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

Philips 55BDL4051D
Version: 1.0
Release Date: 2018/09/17