Philips Signage Solutions
D-Line Display

55"
Powered by Android
450 cd/m²

SignageSolutions

55BDL4050D

Inform. Effortlessly

Smart, powerful 24/7 display.

Make it clear with a powerful D-Line professional FHD display. This responsive solution offers brilliant picture quality, simple control and reliable connectivity. Even in areas that are hard to network.

Brilliant picture. Blazing processor speed.
- Full HD. Clear images. Crisp contrast
- IPS panel: rich colour consistency from every angle
- Android SoC processor. Native and web apps
- Place in landscape or portrait orientation

Effortless setup. Total control.
- CMND & Deploy. Install and launch apps remotely
- CMND and Control. Operate, update, maintain
- CMND and Create. Develop and launch your own content
- Proof of Play for Android content. Know what's playing
- 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. Ensure your display never goes blank

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Highlights

Powered by Android

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimised for native Android apps and you can install web apps directly to the display too. A built-in scheduler makes it easy to launch apps and content based on time of day.

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 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 that 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.

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

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: 0.63 x 0.63 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, Dynamic contrast enhancement, Progressive scan

Connectivity
- Video input: DisplayPort (1.2), HDMI (x 2), DVI-D, USB, VGA (via DVI)
- Video output: DisplayPort, DVI-I, VGA (via DVI-D)
- Audio input: 3.5-mm jack, Audio Left/Right (RCA)
- Audio output: Audio Left/Right (RCA), Ext. speaker cntrl (aud. out)
- Other connections: mPCIe, micro SD, micro USB, USB power outlet (5 V. 2 amp)
- 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
1440 x 900	60 Hz
1366 x 768	60 Hz
1360 x 768	60 Hz
1280 x 800	60 Hz
1280 x 768	60 Hz
1024 x 768	60 Hz
800 x 600	56, 60, 72, 75 Hz
640 x 480	60, 67, 72, 75 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): 1231.9 x 711.2 x 45.72 mm
- Set dimensions in inch (W x H x D): 48.5 x 28.0 x 1.8 inch
- Bezel width: 9.5 mm (T/L/R) 15.6 mm (B)
- Product weight (lb): 39.68 lb
- Product weight: 18.0 kg
- VESA Mount: 400 x 400 mm, M6

Convenience
- Placement: Landscape (24/7), Portrait (24/7)
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal Loop Through: DVI, VGA, RS232, IR Loop through, DisplayPort
- Network controllable: RJ45, RS232, One Wire (HDMI-CEC), HDMI (One Wire)
- Energy-saving functions: Smart Power
- Screen-saving functions: Pixel Shift, Low Bright

Power
- Standby power consumption: <0.4 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (EPA 6.0): 64 W
- Consumption (Typical): 76 W

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)

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: BM05922 (Optional)
- Optional accessories: ColourCalibrationKit (CCK4602)
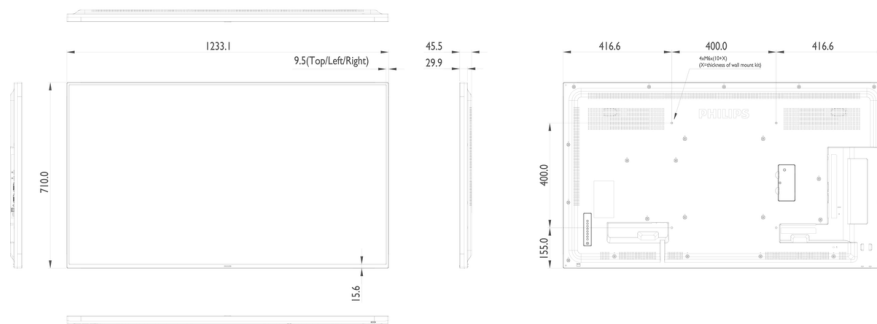
Multimedia Applications
- USB Playback Audio: AAC, AIF, AIFF, M4A, MP3, WAV, WMA, ASF, LPCM, M3U, MP4
- USB Playback Picture: BMP, GIF, JPEG, JPG, PDF
- USB Playback Video: M2TS, M4V, MK3D, MKV, MP4, MPEG, MPG, MTS, TS, TTS, VOB, WMV

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: EnergyStar 7.0, CE, FCC, Class B, UL/cUL, CCC, C-Tick, RoHS, GOST, BSMI, CB, J-Moss, PSE, VCCI
- Warranty: 3-year warranty

Internal Player
- CPU: Quad Core Cortex A9 1.8 GHz
- GPU: ARM Mali400 Quad Core 533 MHz
- Memory: 2 GB DDR3
- Storage: 16 GB EMMC

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Issue date 2019-02-15

Version: 5.0.1

12 NC: 8670 001 37395
EAN: 87 12581 74128 0

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