Philips Signage Solutions
D-Line Display

86"
Powered by Android
500 cd/m²

SignageSolutions

86BDL4150D

Say more

Smart, fast, 24/7 display.

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

Superb picture. Blazing processor speed.
- 4K UHD. Superb picture. Clear contrast.
- IPS panel: rich colour consistency from every angle
- Android 7. Dedicated Android processor
- Proof of Play for Android content. Know what's playing
- Integrated dual-band WiFi

Effortless setup. Total control.
- CMND & Deploy. Install and launch apps remotely
- Operate, monitor and maintain with CMND and Control
- CMND and Create. Develop and launch your own content
- OPS slot allows for PC embedding without cabling
- Integrated mPCIe slot for optional 4G/LTE module

Cost-effective system solution
- Integrated HTML5 browser. Play and control online content
- FailOver ensures that 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 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.

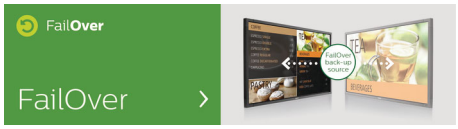
CMND & Deploy

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.

QuadViewer

Turn a single Philips Professional Display into a bezel-free 2 x 2 videowall. By connecting four independent sources, you can effortlessly play multiple channels at once. Simply tell the display which zone should play which content. Ideal for situations like broadcast control rooms, where feeds from multiple cameras need to be clearly visible.

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.

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Specifications

Picture/Display
- Diagonal screen size: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @60 Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 12 ms
- Pixel pitch: 0.4935 x 0.4935 mm
- Display colours: 1.07 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
- Operating system: Android 7.1.2

Connectivity
- Video input: DVI-D, VGA (Analogue D-Sub), HDMI 2.0 (x 3), DisplayPort (1.2)
- Video output: DisplayPort 1.2 (x 1)
- Audio input: 3.5 mm jack
- Audio output: SPDIF, 3.5 mm jack, External speaker connection
- Other connections: OPS, Micro USB (x 1) (OTG), USB 2.0, USB 3.0, mPCIe
- 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
3840 x 2160	60 Hz
1920 x 1080	60 Hz
1600 x 1200	60 Hz
1360 x 768	60 Hz
1280 x 1024	60 Hz
1280 x 800	60 Hz
1280 x 768	60 Hz
1024 x 768	60, 75 Hz
640 x 480	60, 72, 75 Hz
720 x 400	70 Hz
800 x 600	60, 75 Hz

- Video formats

Resolution	Refresh rate
2160p	30, 50, 60 Hz
1080p	50, 60 Hz
1080i	25, 30 Hz
720p	50, 60 Hz
576i	25, 50 Hz
576p	25, 50 Hz
480i	30, 60 Hz
480p	30, 60 Hz

Dimensions
- Set dimensions (W x H x D): 1927.9 x 1098.9 x 76.4 mm
- Set dimensions in inch (W x H x D): 75.90 x 43.26 x 3 inch
- Bezel width: 15.2 (T/L/R/B)
- Product weight (lb): 140.65 lb
- Product weight: 63.8 kg
- Wall Mount: 600(H)x400(V) mm, M8
- Smart Insert mount: 100 x 200 mm

Convenience
- Placement: Landscape, Portrait
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal loop through: IR Loop through, DisplayPort
- Network controllable: RJ45, RS232
- Energy-saving functions: Smart Power
- Screen-saving functions: Pixel Shift, Low Bright
- Ease of installation: Smart Insert
- Picture in picture: PIP

Power
- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 262 W +/- 10% W
- Energy Label Class: G

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20% – 80% (operation), 10% – 90% (storage) %
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)

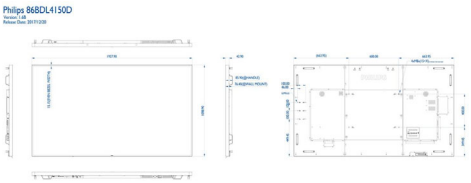
Sound
- Built-in speakers: 2 x 10 W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord, HDMI cable, IR sensor cable (1.8 M)
- Included Accessories: RS232 daisy-chain cable, SD card cover

Multimedia Applications
- USB Playback Audio: AAC, M4A, MP3, WMA
- USB Playback Picture: BMP, JPEG, JPG, PNG
- USB Playback Video: ASF, AVI, DAT, FLV, MKV, MP4, MPEG, MPG, TS, VOB, WEBM, 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: CE, FCC, Class B, UL/cUL, C-Tick, RoHS, GOST, BSMI, CB
- Warranty: 3 year warranty

Internal Player
- CPU: Dual-Core Cortex-A72 @2 GHz, Quad-Core Cortex-A53 @ 1.5 GHz
- GPU: ARM Mali-T864
- Memory: 4 GB DDR3
- Storage: 64 G eMMc
- Wi-Fi: 2T2R, 802.11 ac/a/b/g/n, WCT07R2201



Issue date 2022-07-15
Version: 7.2.1
12 NC: 8670 001 51777
EAN: 87 12581 75013 8

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