Philips Signage Solutions
D-Line Display

49"
Powered by Android
500cd/m²

SignageSolutions

49BDL4150D



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.

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

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

Cost-effective system solution
- FailOver. Ensure your display never goes blank
- QuadViewer. Play four source signals on one screen.
- 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 to the display. A built-in scheduler makes it easy to launch apps and content based on time of day, or user. Auto-orientation ensures your content displays properly.

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.

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.

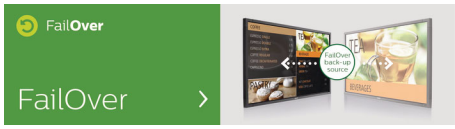
CMND & Create

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.

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.

QuadViewer



Turn a single Philips Professional Display into a bezel-free 2x2 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.

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49BDL4150D/00

Specifications

Picture/Display
- Diagonal screen size: 48.5 inch / 123.2 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1100:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.27963 [mm] × 0.27963 [mm]
- Display colors: 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: DisplayPort (1.2), DVI-D, HDMI 2.0 x3, VGA (Analog D-Sub)
- Video output: DisplayPort1.2x1
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack, SPDIF, External speaker connection
- Other connections: Micro USB (x1) (OTG), USB 2.0, USB 3.0
- 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
4096 x 2160	24Hz
3840 x 2160	24,25,30,60Hz
1920 x 1200	60Hz
1920 x 1080	60Hz
1680 x 1050	60Hz
1600 x 1200	60Hz
1600 x 900	60Hz
1440 x 1050	60Hz
1440 x 900	60, 75Hz
1400 x 1050	60, 75Hz
1366 x 768	60Hz
1360 x 768	60Hz
1280x1024	60,67,75Hz
1280 x 960	60Hz
1280 x 800	60,75Hz
1280 x 768	60Hz, 75Hz
1280 x 720	60,70Hz
1152 x 900	66Hz
1152 x 864	60, 70, 75Hz
1024x768	60,70Hz
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

Resolution	Refresh rate
4K x 2K	50,60Hz
1080i	50, 60Hz
1080p	50, 60Hz
720p	50, 60Hz
576i	50Hz
576p	50Hz
480i	60Hz
480p	60Hz

Dimensions
- Set dimensions (W x H x D): 1104.2 x 637 x 65.4mm(wall mount) / 69.6mm(handle) mm
- Set dimensions in inch (W x H x D): 43.47 x 25.08 x 2.57 (wall mount) /2.74 (handle) inch
- Bezel width: 12.2mm(T); 12.7mm(/R/L); 15.8mm(B)
- Product weight (lb): 46.07 lb
- Product weight: 20.90 kg
- VESA Mount: 400 x 400 mm, M6

Convenience
- Placement: Landscape, Portrait
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal Loop Through: IR Loopthrough
- Network controllable: RJ45, RS232
- Screen saving functions: Pixel Shift, Low Bright

Power
- Standby power consumption: 0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (EPA 6.0): 106 (max) W
- Consumption (Typical): 93 W

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% (without condensation)
- Humidity range (storage) [RH]: 5 ~ 90% (without condensation)

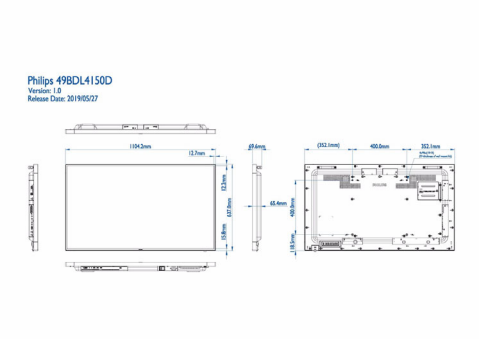
Sound
- Built-in speakers: 2 x 10W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord
- Stand: BM09522 (Universal Stand-L)
- Included Accessories: M2 Screw x2, M3 screw x 1, Philips logo, RS232 Daisy chain cable (1.8m, SD card cover x 1

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, 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: BSMI, CB, CE, CU, EnergyStar 8.0, FCC, Class A, PSB, RCM, RoHS, UL/cUL
- Warranty: 3 year warranty

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



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