Philips Signage Solutions
P-Line Display

42"
Powered by Android
500cd/m²

SignageSolutions

42BDL5055P



Tough and capable

Robust, bright 24/7 display.

Meet the demands of challenging environments with a robust P-Line professional Full HD display. Tough components keep this display working from kitchen to engine room. The wide viewing angle ensures crucial information is clear.

Brilliant picture. Strong build.
- Android SoC processor. Native and web apps
- IPS panel: rich color consistency from every angle
- Robust metal housing
- D-image:clinically accurate imaging

Effortless setup. Total control.
- CMND & Deploy. Install and launch apps remotely
- CMND & Control. Operate, update, maintain
- CMND & 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

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

PHILIPS

Highlights

Powered by Android
Control your display via an Internet connection. Android-powered Philips Professional Displays are optimized 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.

D-image
This Philips Professional Display is factory-calibrated to meet clinical compliance standards for greyscale performance. The optimal image achieved by the display can be used to review medical images in consultation rooms or lecture theatres.

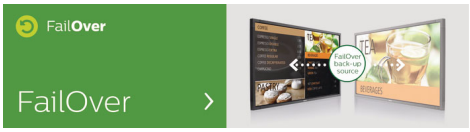
CMND & Control


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 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.

OPS slot


Integrate a full-power PC or Android-powered CRD50 module directly into your Philips Professional Display. The OPS slot contains all the connections you need to run your slot-in solution, including a power supply.

P-Line Display
42" Powered by Android, 500cd/m²

42BDL5055P/00

Specifications

Picture/Display
- Diagonal screen size: 41.92 inch / 106.5 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.4833 x 0.4833 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 5.1.1

Connectivity
- Video input: DisplayPort (1.2), HDMI (x2), DVI-D, VGA (via DVI)
- Video output: DisplayPort, DVI-I
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- Other connections: mPCIe, micro SD, micro USB, USB power outlet (5 V. 2 amp), OPS, USB, type A, USB, type B
- Optional WiFi functionality: requires WiFi module and external antennas
- 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	60Hz
1440 x 900	60Hz
1366 x 768	60Hz
1360 x 768	60Hz
1280 x 800	60Hz
1280 x 768	60Hz
1024 x 768	60Hz
800 x 600	56, 60, 72, 75Hz
640 x 480	60, 67, 72, 75Hz
3840 X 2160	30Hz (Tiling)

- Video formats

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

Dimensions
- Set dimensions (W x H x D): 946.9 x 541.0 x 56.8 mm
- Set dimensions in inch (W x H x D): 37.28 x 21.3 x 2.3 inch
- Bezel width: 6.5mm
- Product weight (lb): 34.2 lb
- Product weight: 15.5 kg
- VESA Mount: 200 x 200 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, HDMI (One Wire)
- Energy saving functions: Smart Power
- Screen saving functions: Pixel Shift, Low Bright
- Ease of installation: AC Out

Power
- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 85 W
- Consumption (EPA 7.0): 71.08 W

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80(operation),5 - 95(storage) %
- Altitude: 0 ~ 3000 m
- MTBF: 60,000 hour(s)

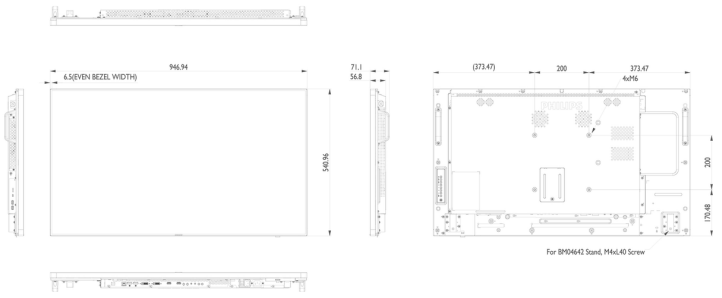
Sound
- Built-in speakers: 2 x 10W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord, Edge alignment pins, Edge alignment plates
- Optional accessories: ColourCalibrationKit (CCK4602)
- Included Accessories: Logo guide, Philips logo, RS232 daisy-chain cable, Thumb Screw
- Stand: BM04642/00

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, CCC, BSMI, CB, PSE, VCCI, CECP, EAC, PSB, UL
- Warranty: 3 year warranty

Internal Player
- CPU: Octacore Cortex A53 1.5GHz
- GPU: PowerVR SGX6110
- Memory: 2GB DDR3
- Storage: 16GB EMMC



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