Philips Signage Solutions
P-Line Display

55"
Powered by Android
500cd/m²

**Signage**Solutions

55BDL5055P

# 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, monitor, 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



Clinical 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



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.
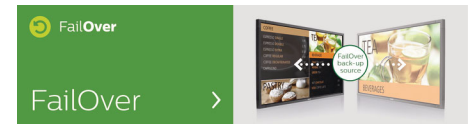
### CMND & Deploy

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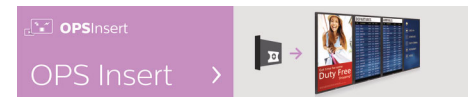're installing displays in locations such as banks or government buildings, where you cannot get onto the local network.

### FailOver



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



OPS Insert

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.

# Specifications

## Picture/Display
- Diagonal screen size: 54.64 inch / 138.8 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: 0.63 x 0.63 mm
- Display colors: 1.0737 billion
- Viewing angle (H / V): 178 / 178 degree
- Operating system: Android 5.1.1

## Connectivity
- Video input: Display Port1.2x1, DVI-I x 1, HDMI 1.4x2, USB 2.0 (Type A) x2, USB 2.0 (Type B )x1
- Video output: DisplayPortx1, DVI-I x1
- Audio input: 3.5 mm jack
- Audio output: 3.5mm jack
- Other connections: OPS, micro SD x1, Micro USB(type B)x1
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
- Optional WiFi functionality: requires WiFi module and external antennas

## Supported Display Resolution
- Computer formats

| Resolution | Refresh rate |
| --- | --- |
| 1024 x 768 | 60, 75Hz |
| 1280 x 1024 | 60Hz |
| 1280 x 768 | 60Hz |
| 1280 x 800 | 60Hz |
| 1360 x 768 | 60Hz |
| 1600 x 1200 | 60Hz |
| 1920 x 1080 | 60Hz |
| 640 x 480 | 60, 72, 75Hz |
| 720 x 400 | 70Hz |
| 800 x 600 | 60, 75Hz |

- Video formats

| Resolution | Refresh rate |
| --- | --- |
| 1080i | 25, 30Hz |
| 1080p | 50, 60Hz |
| 480I | 30Hz |
| 480p | 60Hz |
| 576i | 25Hz |
| 576p | 50Hz |
| 720p | 50, 60Hz |

## Dimensions
- Set dimensions (W x H x D):

1228.6 x 699.4 x 56.8 mm
- Set dimensions in inch (W x H x D): 48.4 x 27.6 x 2.3 inch
- Bezel width: 6.5 mm
- Product weight (lb): 55.6 lb
- Product weight: 25.2 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, DisplayPort, DVI, RS232, VGA
- Network controllable: RJ45, HDMI (One Wire), RS232
- Energy saving functions: Smart Power
- Screen saving functions: Pixel Shift, Low Bright
- Ease of installation: AC Out, Smart Insert, Carrying Handles
- Other convenience: G sensor

## Power
- Standby power consumption: <0.5 W
- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 110 W
- Consumption (EPA 7.0): 90.93 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: Batteries for remote control, Quick start guide, Remote Control, Warranty Leaflet, AC Power Cord, RS232 cable
- Included Accessories: Edge Alignment Kit (1 )-2pcs, Edge Alignment Kit (2)-1pcs, Philips logo, Power cable ( 3m ), RS232 Cable ( 3m ), RS232 Daisy chain cable (1.8m, Thumbscrew (8pcs), RS232 daisy-chain cable
- Stand: BM04642/00(Optional)

## Multimedia Applications
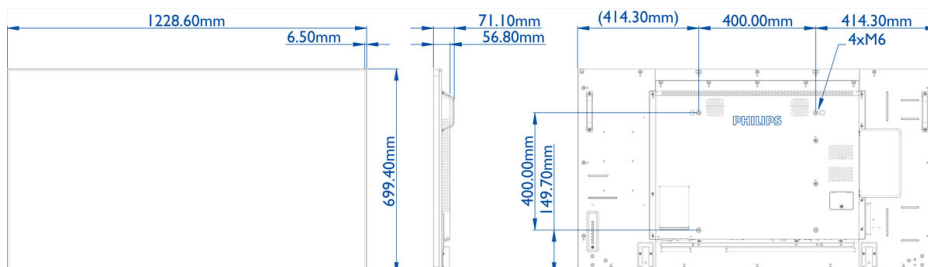- USB Playback Audio: AAC, M4A, MP1, MP2, MP3, WMA
- USB Playback Picture: BMP, GIF, JPEG, JPG, PNG
- USB Playback Video: 3GP, AVI, DAT, FLV, MKV, MOV, MP4, MPG, TS, VOB, WEBM

## 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, VCCI, CECP, EAC, PSB, EMF, UL/cUL
- 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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