

42"

Powered by Android  
500cd/m<sup>2</sup>

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.

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

### Robust system solution

- Energy-saving automatic backlight control
- FailOver ensures content is always playing
- Integrated HTML5 browser. Play and control online content
- OPS slot allows for PC embedding without cabling

### Effortless setup. Total control.

- Operate, monitor and maintain with CMND & Control
- CMND & Create. Develop and launch your own content
- CMND & Deploy. Install and launch apps remotely
- Proof of Play for Android content. Know what's playing

# PHILIPS

# Highlights

## Powered by Android

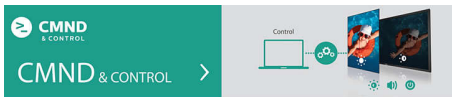
Control your display via an Internet connection. Android-powered Philips Professional Displays are optimized for native Android apps, and you can install web apps directly to the display too. A new Android OS ensures the software is kept secure and remain to the latest specification for longer.

## D-image



This Philips Professional Display is designed 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.

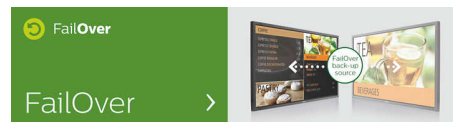
## CMND & Deploy

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/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.

## 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.

## IPS panel rich color

IPS panel: rich color consistency from every angle

## Robust metal housing

Robust metal housing

## 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.

## Energy-saving

Energy-saving automatic backlight control

## Integrated HTML5 browser



Integrated HTML5 browser. Play and control online content

# Specifications

## Connectivity

- Audio output: 3.5mm jack
- Video input: Display Port 1.2 (x1), DVI-I (x1), HDMI 1.4 (x2), USB 2.0 (x2), USB 2.0 (x1)
- Audio input: 3.5 mm jack
- Other connections: OPS, Micro SD (x1), Micro USB (type B)x1
- Video output: DisplayPort (x1), DVI-I (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

## Picture/Display

- Diagonal screen size (metric): 106.7 cm
- Diagonal screen size (inch): 42 inch
- Aspect ratio: 16:9
- Panel resolution: 1920x1080p
- Pixel pitch: 0.4833 x 0.4833 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 500 cd/m<sup>2</sup>
- Display colors: 1.07 billion
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Operating system: Android 5.1.1

## Convenience

- Placement: Landscape, Portrait
- Tiled Matrix: Up to 15 x 15
- Screen saving functions: Pixel Shift, Low Bright
- Keyboard control: Hidden, Lockable
- Signal loop through: IR Loopthrough, RS232, DisplayPort, DVI, VGA
- Ease of installation: AC Out, Carrying Handles
- Energy saving functions: Smart Power
- Other convenience: G sensor
- Network controllable: RJ45, HDMI (One Wire), RS232

## Sound

- Built-in speakers: 2 x 10W RMS

## Power

- Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
- Consumption (Typical): 85 W

- Standby power consumption: <0.5 W
- Energy Label Class: G

## Supported Display Resolution

- Computer formats: 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: 1080i, 25, 30Hz, 1080p, 50, 60Hz, 480i, 30Hz, 480p, 60Hz, 576i, 25Hz, 576p, 50Hz, 720p, 50, 60Hz

## Dimensions

- Set Width: 946.9 mm
- Product weight: 15.5 kg
- Set Height: 541.0 mm
- Set Depth: 56.8 mm
- Set Width (inch): 37.28 inch
- Set Height (inch): 21.3 inch
- Wall Mount: 200 x 200 mm, M6
- Set Depth (inch): 2.3 inch
- Bezel width: 6.5mm
- Product weight (lb): 34.2 lb

## Operating conditions

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

## Multimedia Applications

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

## Internal Player

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

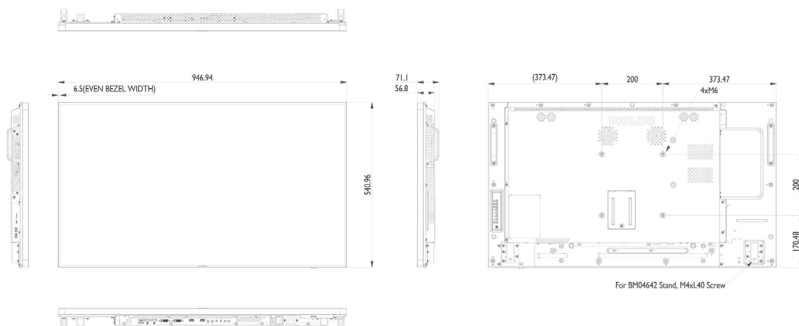
## Accessories

- Included accessories: Batteries for remote control, Quick start guide, Remote Control, AC Power

- Cord, RS232 cable
- Included Accessories: Edge Alignment Kit (1) - 2pcs, Edge Alignment Kit (2)-1pcs, Logo guide, Philips logo (x1), Thumbscrew (8pcs), RS232 daisy-chain cable
- Stand: BM04642/00(optional)

## 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
- Warranty: 3 year warranty
- Regulatory approvals: EnergyStar 7.0, CE, FCC, Class B, CCC, BSMI, CB, VCCI, CEC, EAC, PSB, EMF, UL/cUL



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