

P-Line Display

- 42"
- Powered by Android
- 500cd/m²

42BDL5055P/00

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.

Benefits

Brilliant picture. Strong build.

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

Effortless setup. Total control.

- CMND & Control. Operate, update, maintain
- CMND & Create. Develop and launch your own content
- CMND & Deploy. Install and launch apps remotely
- Integrated mPCIe slot for optional 4G/LTE module
- Proof of Play for Android content. Know what's playing

Robust system solution

- FailOver. Ensure your display never goes blank
- OPS slot. Embed a full-power PC. No cabling required
- Energy-saving automatic backlight control
- Integrated HTML5 browser. Play and control online content

Features

Powered by Android

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimized for native Android apps, and you can

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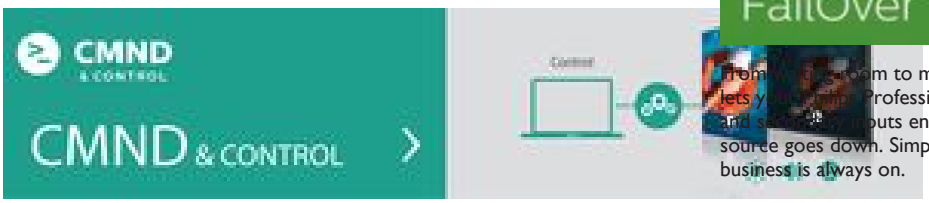
install web apps directly to the display too. A built-in scheduler makes it easy to launch apps and content based on time of day.

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

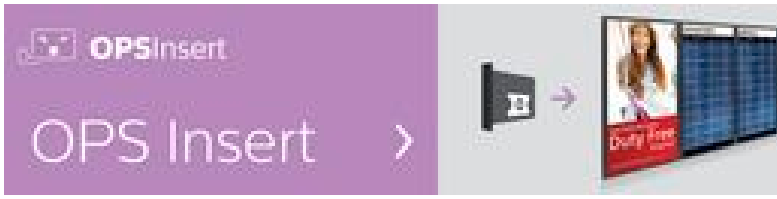
Easily connect 4G modules to your Philips professional display. The integrated mPCIe slot enables your display to communicate with other devices that share the same wireless connectivity. Invaluable if you're installing displays in locations such as banks or government buildings, where you cannot get onto the local network.

FailOver



om to meeting room, never show a blank screen. FailOver
Professional Display switch automatically between primary
uts 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.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Diagonal screen size (inch)	41.92 inch
Diagonal screen size (metric)	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 (horizontal)	178 degree
Viewing angle (vertical)	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	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	1080p, 50, 60Hz
	1080i, 50, 60Hz
	720p, 50, 60Hz
	576i, 50Hz
	576p, 50Hz
	480p, 60Hz
	480i, 60Hz

Dimensions

Set Width	946.9 mm
Set Height	541.0 mm
Set Depth	56.8 mm
Set Depth (inch)	2.3 inch
Set Width (inch)	37.28 inch
Set Height (inch)	21.3 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



data subject to change
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