P-Line Display

• 49"
• Powered by Android
• 500cd/m²

49BDL5055P/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.
• Operate, monitor and maintain with CMND & Control
• 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 ensures content is always playing
• OPS slot allows for PC embedding without cabling
• 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
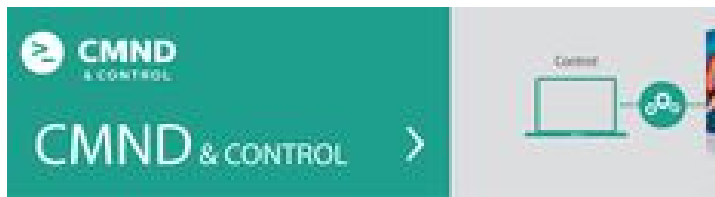
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install web apps directly to the display too. A new Android OS ensures the software is kept secure and remain to the latest specification for longer.
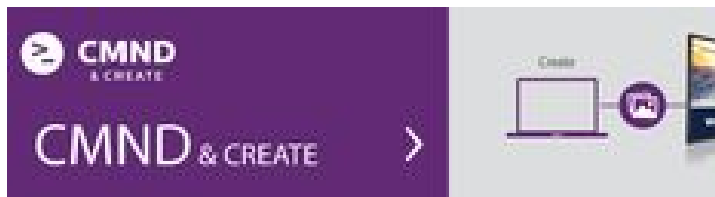
D-image

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.
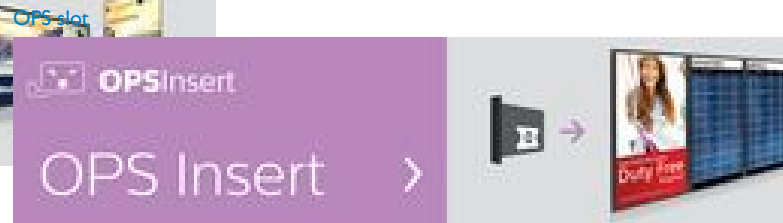
Integrated mPCIe slot

Easily connect 4G/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.

Specifications

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Picture/Display

Diagonal screen size (inch)	48.5 inch
Diagonal screen size (metric)	123.2 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	0.55926 x 0.55926 mm
Display colors	1.07 billion
Viewing angle (horizontal)	178 degree
Viewing angle (vertical)	178 degree
Operating system	Android 5.1.1

Connectivity

Video input	Display Port1.2 (x1)
	DVI-I (x 1)
	HDMI 1.4 (x2)
	USB 2.0 (x2)
	USB 2.0 (x1)
Video output	DisplayPort (x1)
	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
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	1024 x 768, 60, 75Hz
	1280 x 1024, 60Hz
	1280 x 768, 60Hz
	1280 x 800, 60Hz

data subject to change
2021, March 1

Video formats	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
	1080i, 25, 30Hz
	1080p, 50, 60Hz
	480I, 30Hz
	480p, 60Hz
	576i, 25Hz
	576p, 50Hz
	720p, 50, 60Hz

Dimensions

Set Width	1092.8 mm
Set Height	623.0 mm
Set Depth	56.8 mm
Set Width (inch)	43.0 inch
Set Height (inch)	24.5 inch
Set Depth (inch)	2.3 inch
Bezel width	6.5 mm
Product weight (lb)	41.9 lb
Product weight	19.0 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)	95 W
Consumption (EPA 7.0)	82.08 W
Energy Label Class	G

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

Included Accessories	Remote Control
	AC Power Cord
	RS232 cable
	Edge Alignment Kit (2)-1pcs
	Philips logo (x1)
	Thumbscrew (8pcs)
	Edge Alignment Kit (1)-2pcs
	RS232 daisy-chain cable
	Wifi Antennas (2 pcs)
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