D-Line Display

• 55"
• Powered by Android
• 450cd/m²

55BDL4050D/00

Inform. Effortlessly

Smart, powerful 24/7 display.

Make it clear with a powerful D-Line professional FHD display. This responsive solution offers brilliant picture quality, simple control, and reliable connectivity. Even in areas that are hard to network.

Benefits

Brilliant picture. Blazing processor speed.
• Android SoC processor. Native and web apps
• Full HD. Clear images. Crisp contrast
• IPS panel: rich color consistency from every angle
• Place in landscape or portrait orientation

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

Cost-effective system solution
• FailOver. Ensure your display never goes blank
• Energy-saving automatic backlight control
• Integrated HTML5 browser. Play and control online content
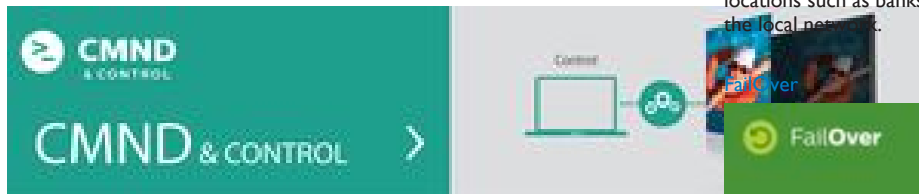• Internal memory. Upload content for instant play

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.

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.
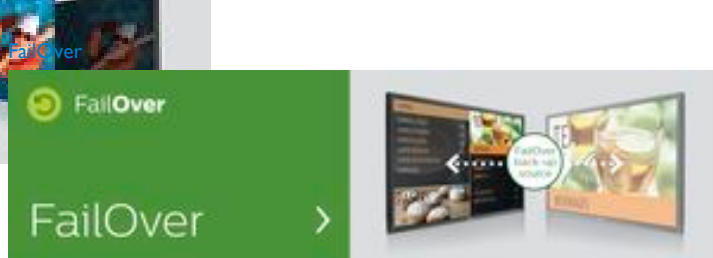
CMND & Create

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.

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.

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)	54.64 inch
Diagonal screen size (metric)	138.8 cm
Panel resolution	1920x1080p
Optimum resolution	1920 x 1080 @ 60Hz
Brightness	450 cd/m²
Contrast ratio (typical)	1100:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	12 ms
Pixel pitch	0.63 x 0.63 mm
Display colors	16.7 million
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 4.4.4

Connectivity

Video input	DisplayPort (1.2)
	HDMI (x2)
	DVI-D
	USB
	VGA (via DVI)
Video output	DisplayPort
	DVI-I
	VGA (via DVI-D)

Audio input	3.5 mm jack
	Audio Left/Right (RCA)
Audio output	Audio Left/Right (RCA)
	Ext. speaker cntrl (aud. out)
Other connections	mPCIe
	micro SD
	micro USB
	USB power outlet (5 V. 2 amp)
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
Video formats	1080p, 50, 60Hz
	1080i, 50, 60Hz
	720p, 50, 60Hz
	576i, 50Hz
	576p, 50Hz
	480p, 60Hz
	480i, 60Hz

Dimensions

Set Width	1231.9 mm
Set Height	711.2 mm
Set Depth	45.72 mm
Set Width (inch)	48.5 inch
Set Height (inch)	28.0 inch
Set Depth (inch)	1.8 inch
Bezel width	9.5 mm (T/L/R) 15.6mm (B)

data subject to change
2019, May 12

Product weight (lb)	39.68 lb		ASF
Product weight	18.0 kg		LPCM
VESA Mount	400 x 400 mm, M6		M3U
			MP4
Convenience		USB Playback Picture	BMP
			GIF
Placement	Landscape (24/7)		JPEG
	Portrait (24/7)		JPG
Tiled Matrix	Up to 15 x 15		PDF
Keyboard control	Hidden	USB Playback Video	M2TS
	Lockable		M4V
Signal Loop Through	DVI		MK3D
	VGA		MKV
	RS232		MP4
	IR Loopthrough		MPEG
	DisplayPort		MPG
Network controllable	RJ45		MTS
	RS232		TS
	One Wire (HDMI-CEC)		TTS
	HDMI (One Wire)		VOB
Energy saving func-	Smart Power		WMV
tions			
Screen saving func-	Pixel Shift, Low Bright	**Miscellaneous**	
tions			
		On-Screen Display	English
Power		Languages	French
			German
Standby power	<0.4 W		Spanish
consumption			Polish
Mains power	100 ~ 240 VAC, 50 ~ 60 Hz		Turkish
Consumption (EPA	64 W		Russian
6.0)			Italian
Consumption	76 W		Simplified Chinese
(Typical)			Traditional Chinese
			Arabic
Operating conditions			Japanese
			Danish
Temperature range	0 ~ 40 °C		Dutch
(operation)			Finnish
Temperature range	-20 ~ 60 °C		Norwegian
(storage)			Portuguese
Relative humidity	20 ~ 80 %		Swedish
Altitude	0 ~ 3000 m	Regulatory approvals	EnergyStar 7.0
MTBF	50,000 hour(s)		CE
			FCC, Class B
Sound			UL/cUL
			CCC
Built-in speakers	2 x 10W RMS		C-Tick
			RoHS
Accessories			GOST
			BSMI
Included accessories	Remote Control		CB
	Batteries for remote control		J-Moss
	Quick start guide		PSE
	RS232 cable		VCCI
	AC Power Cord	Warranty	3 year warranty
Stand	BM05922 (Optional)		
Optional accessories	ColourCalibrationKit (CCK4602)	**Internal Player**	
Multimedia Applications		CPU	Quad Core Cortex A9 1.8GHz
		GPU	ARM Mali400 Quad Core 533MHz
USB Playback Audio	AAC	Memory	2GB DDR3
	AIF	Storage	16GB EMMC
	AIFF		
	M4A		
	MP3		
	WAV		
	WMA		

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