

D-Line Display

- 50"
- 4K UHD
- 500cd/m²

50BDL4550D/00

Chasing innovation

powered by Android

Amaze your guests with a smarter, faster, signage display. With integrated WiFi and designed for running Android apps, it's the next evolution in signage solutions

Benefits

Innovative solutions for any signage application

- Android SoC processor. Native and web apps
- Save and play content with internal memory
- Integrated dual-band WiFi

Maximizing the impact of your message

- CMND: Take control of your displays
- Create and update content with CMND & Create
- Manage settings of multiple displays with CMND & Control
- Connect and control your content via the cloud

Care about you, your business and your audience

- Ensure your content is running with automatic screenshots
- Keep your content up and running with FailOver
- SmartPower for energy saving

Expand your viewing experience

- ADS wide-view panel display

Features

Powered by Android 8

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

PHILIPS

install web apps directly to the display too. A new Android 8 ensures the software is kept secure and remain to the latest specification for longer.

Internal Memory



Save and play content with internal memory. Upload your media into the display and playback content immediately. Working in conjunction with the internal browser, it also serves as a memory cache when streaming online content. If the network ever fails, the internal memory keeps content running by playing a cached version of the content, ensuring that your media stays up even if the network goes down.

Proof of Play

Content is king, and with the automatic screenshot feature, you can make sure that your content is up and running at all times. Screenshots are taken throughout the day, which are then stored in the FTP server. From there, the screenshots can be viewed no matter when, or where you are.

FailOver



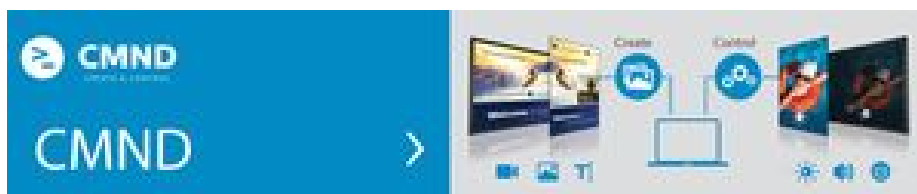
Keeping your content up and running is critical for demanding commercial applications. While it is unlikely you will face a content disaster, FailOver provides content protection with a revolutionary technology that plays back-up content on screen in the event of a media player failure. FailOver automatically kicks in when the primary input fails. Simply select a primary input connection and a FailOver connection and your ready for instant protection.

SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

CMND



A robust display management platform, CMND puts the power back into your hands. Update and manage content with CMND & Create or control your settings with CMND & Control. It's all possible with CMND.

Specifications

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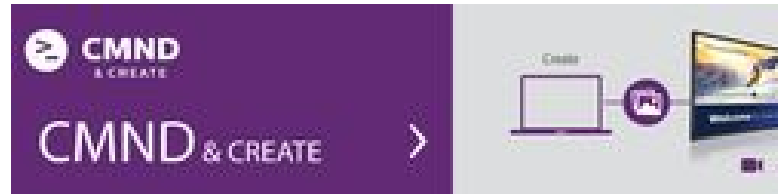
Picture/Display

Diagonal screen size 49.5 inch (inch)

Diagonal screen size 125.7 cm (metric)
Panel resolution 3840 x 2160

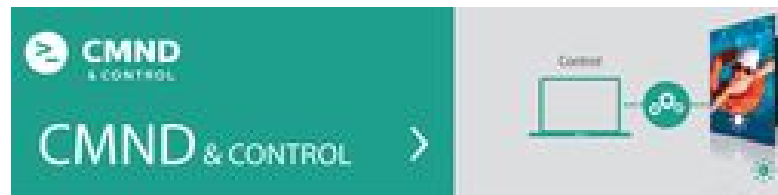
data subject to change
2023, June 21

CMND & Create



Design and create compelling content with CMND & Create, a powerful authoring tool. With a drag and drop interface, preloaded templates, and integrated widgets, you'll be able to amaze your customers with compelling content. Available in portrait and landscape mode.

CMND & Control



With CMND & Control, easily manage multiple displays in a central location. With real time display monitoring, setting and software updates from a remote location, and the ability to customize and configure multiple displays at once, such as video wall or menu board displays, controlling your suite of displays has never been easier.

ADS wide-view panel display

Be seen from any angle with ADS wide-view technology. Advanced Super Dimension Switch delivers faster on-display picture processing for smoother content transitions, remarkable image accuracy, and superior colour reproduction with 180 degree viewing.

SmartBrowser

Connect and control your content via the cloud with the integrated HTML5 browser. Using the Chromium based browser, design your content online and connect a single display, or your complete network. Show content in both landscape and portrait mode, with fullHD resolution. Simply connect the display to the internet using WiFi or with an RJ45 cable, and enjoy your own created playlists.

Optimum resolution	3840 x 2160 @ 60Hz
Brightness	500 cd/m ²
Contrast ratio (typical)	4000:1
Dynamic contrast ratio	500,000:1
Aspect ratio	16:9
Response time (typical)	8 ms
Pixel pitch	0.2854 x 0.2854 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 8.0
Panel technology	VA

Connectivity

Video input	Display Port 1.2 (x1) DVI-I (x 1) HDMI 2.0 (x2) USB 2.0 (x2)
Video output	DisplayPort 1.2 (x1) HDMI 2.0 (x1)
Audio input	3.5 mm jack
Audio output	3.5mm jack
External control	RJ45 RS232C (in/out) 2.5 mm jack IR (in/out) 3.5 mm jack
WiFi	dual antenna 2,4Ghz and 5Ghz
4G/LTE antenna connectors	mPCIe

Supported Display Resolution

Computer formats	1920 x 1080, 60Hz 1024 x 768, 60Hz 1280 x 1024, 60Hz 1280 x 720, 60Hz 1440 x 900, 60 Hz 1600 x 900, 60Hz 1680 x 1050, 60Hz 3840 x 2160, 30, 60Hz 640 x 480, 60Hz 800 x 600, 60Hz
Video formats	1080i, 50, 60Hz 576i, 50Hz 576p, 50Hz 480p, 60Hz 480i, 60Hz 1080p, 50, 60Hz 2160p, 24, 30, 60Hz 720p, 50, 60 Hz

Dimensions

Set Width	1128.4 mm
Set Height	649.0 mm
Set Depth	63.5 mm
Set Width (inch)	44.43 inch
Set Height (inch)	25.55 inch
Set Depth (inch)	2.50 inch
Bezel width	14.9 mm (Even bezel)
Product weight (lb)	32.52 lb
Product weight	14.75 kg
Wall Mount	400 (H)x 400 (V) mm, M6

Convenience

Placement	Landscape (24/7) Portrait (24/7)
Tiled Matrix	Up to 10 x 15
Keyboard control	Hidden Lockable

Signal loop through	RS232 IR Loopthrough DisplayPort HDMI
Network controllable	RS232
Energy saving functions	Smart Power
Screen saving functions	Pixel Shift, Low Bright
WiFi protocol	a b g n, 802.1x

Power

Standby power consumption	<0.5 W
Mains power Consumption (Typical)	100 ~ 240 VAC, 50 ~ 60 Hz
Consumption (Max)	100 W
Energy Label Class	132 W G

Operating conditions

Temperature range (operation)	0 ~ 40 °C
Temperature range (storage)	-20 ~ 60 °C
Altitude	0 ~ 3000 m
MTBF	50,000 hour(s)
Humidity range (operation) [RH]	20 - 80% RH (No condensation)
Humidity range (storage) [RH]	5 - 95% RH (No condensation)

Sound

Built-in speakers	2 x 10W RMS
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Accessories

Included accessories	Quick start guide RS232 cable AC Power Cord IR sensor cable (1.8M) Remote Control & AAA Batteries
Included Accessories	RS232 daisy-chain cable Philips logo (x1) AC Switch Cover USB Cover (x1) Screws
Stand	BM05922(Optional)

Multimedia Applications

USB Playback Audio	AAC HEAAC MPEG
USB Playback Picture	BMP JPEG PNG
USB Playback Video	MPEG H.263 H.264 H.265

Miscellaneous

On-Screen Display Languages	English French German Spanish Polish Turkish Russian Italian Simplified Chinese Traditional Chinese Arabic Japanese Danish Dutch Finnish Norwegian
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Regulatory approvals

- Portuguese
- Swedish
- CE
- CCC
- RoHS
- BSMI
- CB
- VCCI
- CU
- EMF
- EnergyStar 8.0
- ETL

Warranty

FCC, Class A
PSB
3 year warranty

Internal Player

CPU
GPU
Memory
Storage

2 x A53 + 2 x A73
ARM Mali G51
3GB DDR
32 GB eMMC



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Version: 9.0.1
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