Philips Signage Solutions
Multi-Touch Display

86"
Powered by Android
Ultra HD

SignageSolutions

86BDL3012T

Engage them

20-point Multi-Touch display.

Inspire collaboration. Deliver information. This responsive Philips Multi-Touch Professional UHD Display is ideal for multi-finger, multi-user applications—from wayfinding to presentations. Up to 20 touch points can be active at once.

Superb picture. Responsive touchscreen.
- 4K UHD. Rich, deep images. Stunning contrast
- Plug-and-play 20-point Multi-Touch display

Effortless setup. Total control.
- CMND: Drag-and-drop system management
- CMND and Control. Operate, update, maintain
- Add Android processing power with an optional CRD50 module

Versatile system solution
- Energy-saving automatic backlight control
- QuadViewer. Play four source signals on one screen.
- OPS slot. Embed a full-power PC. No cabling required
- FailOver. Ensure your display never goes blank

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Highlights

CMND general

Take control of your Philips Professional Display network. CMND lets you manage, update, maintain and play via one easy-to-use interface. From installation to daily operation.

CMND and Control

Run your display network over a local (LAN) connection. CMND and Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.
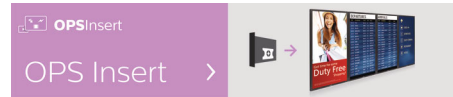
QuadViewer

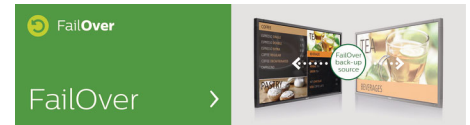Turn a single Philips Professional Display into a bezel-free 2 x 2 videowall. By connecting four independent sources, you can effortlessly play multiple channels at once. Simply tell the display which zone should play which content. Ideal for situations like broadcast control rooms, where feeds from multiple cameras need to be clearly visible.

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.

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 that 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.

Optional CRD50 module

Embed an Android System-on-Chip (SoC) into your Philips Professional Display. The optional CRD50 module is an OPS device that enables Android processing power without the need for cables. Simply slide into the OPS slot, which contains all the connections needed to run the module (including power supply).

Specifications

Picture/Display
- Diagonal screen size: 85.6 inch / 217.4 cm
- Panel resolution: 3840 x 2160
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 410 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Aspect ratio: 16:9
- Response time (typical): 8 ms
- Pixel pitch: 0.4935 x 0.4935 mm
- Display colours: 1.07 billion
- Viewing Angle (H / V): 178 / 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan

Connectivity
- Video input: DisplayPort (1.2), DVI-D, HDMI (x 3), VGA (Analogue D-Sub), Component (RCA)
- Video output: DisplayPort
- Audio input: 3.5-mm jack, Audio Left/Right (RCA)
- Audio output: 3.5 mm jack, External speaker connector, SPDIF
- Other connections: micro USB, OPS
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1024 x 768	43, 60, 70, 75 Hz
1152 x 864	60, 70, 75 Hz
1152 x 870	75 Hz
1152 x 900	66, 76 Hz
1280 x 1024	60, 67, 71, 75, 76 Hz
1280 x 720	60, 70 Hz
1280 x 768	60 Hz, 75 Hz
1280 x 800	60, 75 Hz
1280 x 960	60, 75 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1400 x 1050	60, 75 Hz
1400 x 1050	60 Hz
1440 x 1050	60 Hz
1440 x 900	60, 75 Hz
1600 x 1200	60 Hz
1600 x 900	60 Hz
1680 x 1050	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz
640 x 350	70 Hz
640 x 480	60, 67, 72, 75 Hz
720 x 400	70 Hz
800 x 600	56, 60, 72, 75 Hz
832 x 624	75 Hz
848 x 480	60 Hz
960 x 720	60, 75 Hz

- UHD Formats: 3840 x 2160, 24, 25, 30, 60 Hz, 4096 x 2160, 24 Hz
- Video formats

Resolution	Refresh rate
1080i	50 Hz
1080p	60 Hz
480i	60 Hz
480p	60 Hz
4K x 2K	
576i	50 Hz
576p	50 Hz
720p	60 Hz

Dimensions
- Set dimensions (W x H x D): 1957 x 1128 x 98.4 mm
- Set dimensions in inch (W x H x D): 77.04 x 44.40 x 3.87 inch
- Bezel width: 28.4 mm (T/L/R/B)
- Product weight (lb): TBD lb
- Product weight: TBD kg
- VESA Mount: 600(H)x400(V) mm, M8
- Smart Insert mount: 100 x 200 mm

Convenience
- Placement: Landscape
- Tiled Matrix: Up to 15 x 15
- Keyboard control: Hidden, Lockable
- Signal Loop Through: RS232, IR Loop through
- Network controllable: RJ45, RS232
- Energy-saving functions: Smart Power
- Screen-saving functions: Low Bright
- Ease of installation: Smart Insert
- Picture in picture: PIP

Power
- Standby power consumption: <0.5 W
- Mains power: 100 - 240 V~, 50 - 60 Hz, 7.5 A
- Consumption (Typical): 317 W
- consumption (Max): 471 W

Operating conditions
- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)

Sound
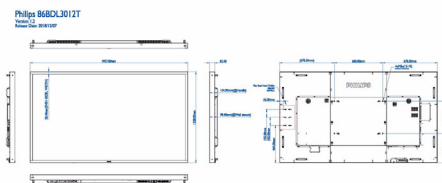- Built-in speakers: 2 x 10 W RMS

Accessories
- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord, HDMI cable, IR sensor cable (1.8 M), USB cable
- Included Accessories: RS232 daisy-chain cable

Multimedia Applications
- USB Playback Audio: AAC, AIF, AIFF, ASF, M3U, M4A, MP3, MP4, PLS, WAV, WMA
- USB Playback Video: ISM, M2TS, M4V, Manifest, MK3D, MKV, MP4, MPD, MPEG, MPG, MT2, MTS, TS, VOB
- USB Playback Picture: BMP, GIF, JPEG, PNG

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: CE, UL/cUL, CCC, RoHS, BSMI, CB, VCCI, EAC, FCC, Class B, PSB
- Warranty: 3-year warranty

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