Philips Signage Solutions
Multi-Touch Display

86"
3840 x 2160 (4K UHD)

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.

Versatile system solution

- Energy-saving automatic backlight control
- FailOver ensures that content is always playing
- OPS slot allows for PC embedding without cabling
- QuadViewer. Play four source signals on one screen.

Effortless setup. Total control.

- Operate, monitor and maintain with CMND and Control
- Add Android processing power with an optional CRD50 module

Superb picture. Responsive touchscreen.

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

PHILIPS

Highlights

4K UHD. Rich, deep images
4K UHD. Rich, deep images. Stunning contrast

Plug-and-play 20
Plug-and-play 20-point Multi-Touch display

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 alternative inputs to be sure your business is always on.

Energy saving
Energy-saving automatic backlight control

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).

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86BDL3012T/00

Specifications

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

Picture/Display
- Diagonal screen size (metric): 217.4 cm
- Diagonal screen size (inch): 85.6 inch
- Aspect ratio: 16:9
- Panel resolution: 3840 x 2160
- Pixel pitch: 0.4935 x 0.4935 mm
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 410 cd/m²
- Display colours: 1.07 billion
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- 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

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

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

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

Supported Display Resolution
- Computer formats: 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
- Video formats: 1080i, 50 Hz, 1080p, 60 Hz, 480i, 60 Hz, 480p, 60 Hz, 4K x 2K, 576i, 50 Hz, 576p, 50 Hz, 720p, 60 Hz
- UHD Formats: 3840 x 2160, 24, 25, 30, 60 Hz, 4096 x 2160, 24 Hz

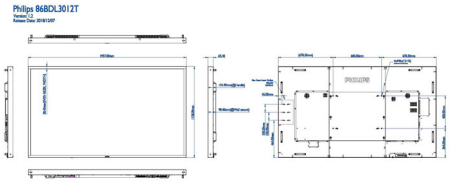
Dimensions
- Smart Insert mount: 100 x 200 mm
- Set Width: 1957 mm
- Product weight: 91.26 kg
- Set Height: 1128 mm
- Set Depth: 98.4 mm
- Set Width (inch): 77.04 inch
- Set Height (inch): 44.40 inch
- Wall Mount: 600(H)x400(V) mm, M8
- Set Depth (inch): 3.87 inch
- Bezel width: 28.4 mm (T/L/R/B)
- Product weight (lb): 201.2 lb

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

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

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

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



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