Philips Signage Solutions
Video Wall Display

49"
Direct LED Backlight
Full HD
500 cd/m²

SignageSolutions

49BDL2005X

Go big

Versatile videowall display.

Command attention with a Philips X-Line Professional Videowall Display. Crisp contrast and narrow bezels enable clear, distraction-free imaging. Whether you're running an airport or hosting a conference.

Brilliant images. Endless possibilities.
- Full HD monitors. Brilliant images. Clear contrast
- IPS panel: rich colour consistency from every angle
- Ultra-narrow (3.5 mm) bezels. For distraction-free images

Effortless setup. Total control.
- Add Android processing power with an optional CRD50 module
- Operate, monitor and maintain with CMND and Control

Powerful system solution
- Tiling mode. Create tiled 4K videowalls of any size
- OPS slot allows for PC embedding without cabling
- Energy-saving automatic backlight control

Cost-effective system solution
- FailOver ensures that content is always playing

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Highlights

Tiling mode

Connect two or more Philips professional displays to create a tiled videowall — without the need for external devices. A single player takes care of content, whether you have four screens or 40. 4K content is fully supported and if you're showing that content on four screens you get the best possible dot-by-dot resolution.
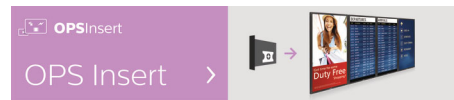
Optional CRD50 module

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).

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.
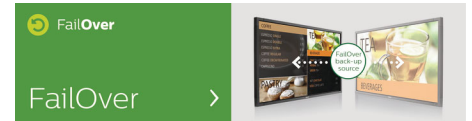
OPS slot

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.

Specifications

Picture/Display
- Diagonal screen size: 48.5 inch / 123.2 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 500 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.559 x 0.559 mm
- Display colours: 1.07 B
- Picture enhancement: 3/2 - 2/2 motion pull down, Motion compens. deinterlacing, Progressive scan, Dynamic contrast enhancement
- Haze: 3%

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1024 x 768	60, 75 Hz
1280 x 1024	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
1280 x 960	60 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1600 x 1200	60 Hz
1920 x 1080	60 Hz
640 x 480	60, 72, 75 Hz
720 x 400	70 Hz
800 x 600	60, 75 Hz
3840 X 2160	30 Hz (Tiling)

- Video formats

Resolution	Refresh rate
1080i	25, 30 Hz
1080p	50, 60 Hz
720p	50, 60 Hz

Connectivity
- Video input: DVI-D, VGA (Analogue D-Sub), Component (BNC x 3), Display Port1.2 (x 1), HDMI 1.4 (x 2), Composite (Share component Y), USB 2.0 (x 1)
- Video output: DisplayPort 1.2 (x 1), DVI-I (x 1)
- Audio input: 3.5 mm jack, Audio Left/Right (RCA)
- Audio output: 3.5 mm jack, External speaker connection
- External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack
- Other connections: OPS

Convenience
- Signal loop through: RS232, DisplayPort, DVI Loop through, IR Loop through
- Ease of installation: Carrying Handles, Smart Insert
- Energy-saving functions: Smart Power
- Network controllable: RS232, RJ45
- Placement: Portrait, Landscape
- Screen-saving functions: Pixel Shift, Low Bright

- Tiled Matrix: Up to 10 x 10
- Control software: SICP / CMND & Control

Dimensions
- Bezel width: Top/Left: 2.3 mm, Bottom/Right: 1.2 mm
- Set dimensions (W x H x D): 1077.6 x 607.8 x 93.5 mm mm
- Set dimensions in inch (W x H x D): 42.4 x 23.9 x 3.68 inch
- Wall Mount: 400 x 400 mm, M6
- Product weight: 21.0 kg
- Product weight (lb): 47.30 lb
- Smart Insert mount: 100 x 100 mm, 6 x M4 L6
- Bezel thickness: 3.5 mm (B-B)

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)

Power
- Standby power consumption: <0.5 W
- Consumption (Max): 220 W
- Consumption (Typical): 100 W

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

Accessories
- Included Accessories: IR cable, IR sensor cable (1.8 m) (x 1), RS232 daisy chain cable, Kit-1 (x1), Kit-2 (x2), Thumb Screw (x 8)
- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, Quick start guide, DVI-D cable, RS232 cable, Edge alignment pins
- Optional accessories: Colour calibration kit, CRD41, Edge finishing kit

Miscellaneous
- On-Screen Display Languages: Arabic, Simplified Chinese, Traditional Chinese, English, French, German, Italian, Japanese, Polish, Russian, Spanish, Turkish
- Regulatory approvals: CE, CB, BSMI, CU, ETL, FCC, Class A, PSB, RoHS
- Warranty: 3 year warranty

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

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