Philips Professional
Monitor
Video Wall Display

55"
Direct LED Backlight
Full HD
700 cd/m²

55BDL4007X

Go big

Versatile videowall display.

Command attention with an X-Line professional videowall display. Crisp contrast and slim bezels enable clear, distraction-free imaging. Whether you're running an airport or hosting a conference.

Effortless setup. Total control.
- Operate, monitor and maintain with CMND and Control
- CMND and Create. Develop and launch your own content
- Remote system management through CMND
- Add Android processing power with an optional CRD50 module

Brilliant images. Endless possibilities.
- Full HD monitors. Brilliant images. Clear contrast
- IPS panel: rich colour consistency from every angle
- Extra-narrow (1.8 mm) bezels. For distraction-free images

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

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Highlights

CMND

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.
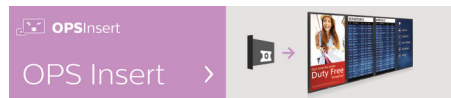
CMND and Control

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.

CMND and Create

Take control of your content with CMND and 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 that your stills, text and video will be up and running in no time.

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.

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).

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.

SmartPower   Advanced ColourCalibration   UltraNarrow Bezel   FailOver   ENERGY STAR

Specifications

Picture/Display
- Diagonal screen size: 54.6 inch / 138.7 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 700 cd/m²
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 8 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Pixel pitch: 0.63 x 0.63 mm
- Display colours: 1.07 B
- Contrast ratio (typical): 1200:1
- Haze: 28%

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75 Hz
800 x 600	56, 60, 72, 75 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
1280 x 1024	60 Hz
1360 x 768	60 Hz
1366 x 768	60 Hz
1440 x 900	60 Hz
1600 x 1200	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz
3840 x 2160	30Hz

- Video formats

Resolution	Refresh rate
480i	60 Hz
480p	60 Hz
576p	50 Hz
576i	50 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	50, 60 Hz
3840 x 2160	30Hz

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

Convenience
- Placement: Landscape (24/7), Portrait (24/7)
- Tiled Matrix: Up to 10 x 10
- Screen-saving functions: Pixel Shift, Low Bright
- Signal loop through: DisplayPort, RS232, DVI Loop

through, IR Loop through
- Ease of installation: Carrying Handles, Smart Insert
- Energy-saving functions: Smart Power
- Network controllable: RS232, RJ45
- RJ45 hub: available

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% (without condensation)
- Humidity range (storage) [RH]: 5 - 90% (without condensation)

Power
- Standby power consumption: <0.5 W
- Consumption (Max): 360 W
- Consumption (Typical): 165 W

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

Accessories
- Stand: BM05462/BM05922 (Optional)
- Included Accessories: AC Switch Cover, Gap pad x 3, Kit-1 (x1), Kit-2 (x2), Power cable (3 m), Quick start guide (x 1), Remote control and AAA batteries, RS232 Cable (3 m), RS232 daisy-chain cable, Wire Clamper (x 3), HDMI cable (1.8 m) (x 1)

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

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

Dimensions
- Set dimensions (W x H x D): 1211.4 x 682.2 x 97.3 (D@Handle)/98.4 (D@Wall mount) mm
- Set dimensions in inch (W x H x D): 47.69 x 26.86 x 3.83 (D@Handle)/3.87 (D@Wall mount) inch
- Bezel width: 0.9 mm
- Wall Mount: 400 mm x 400 mm, M6
- Product weight: 24.9 kg

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