

Philips Signage Solutions  
Multi-Touch Display

86"

Powered by Android  
Multi-touch

**SignageSolutions**



86BDL3552T

## Interactive classroom display

Featuring multi-touch technology

Maximise engagement and inspire collaboration with an interactive Philips T-Line display. Featuring anti-glare toughened glass, these Android-powered displays are made to withstand heavy daily usage and feature up to 20 touchpoints

### Interactive and collaborative

- Multi-touch technology capable of 20 touchpoints
- Advanced IR touch with smaller, shallower bezels
- Operate, monitor and maintain with CMND and Control

### Smart and powerful

- Anti-glare toughened glass
- OPS slot allows for PC embedding without cabling
- Whiteboard mode built in
- Wireless screen sharing and advanced collaboration
- Android: Run your own app or choose your favourite app to run

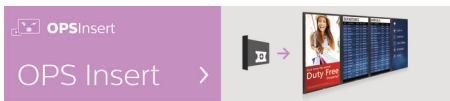
**PHILIPS**

# Highlights

## Multi-touch technology

Create a memorable interactive experience with up to 20 touchpoints at the same time. Perfect for collaborative and competitive applications, this display connects your audience with any content - making it ideal for education, public venues, corporate, hospitality and retail settings. The touch panel is HID compliant, providing true plug-and-play operation.

## 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.

## 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.

## Whiteboard mode built in

Inspire agile collaboration with whiteboard mode. Simply activate this feature to turn your display into a blank canvas that can be drawn on by multiple users by hand or with dedicated display markers. Everything on the screen can then be captured for easy printing or file sharing.

## Wireless screen sharing

Display four feeds on the one screen. Wireless screen sharing allows you to connect multiple

devices at the same time for quick content switching when you need it. Use your existing Wi-Fi network to instantly and securely connect devices or use our optional HDMI interact dongles to cast directly to the screen without needing to connect to your secured/protected network.

## Powered by Android

With Android OS integrated into the display, you can work with the most developed OS on the planet and save your own app directly into the display. Or, choose from the large library of Android apps and play content from there. With the built-in scheduler, you can daypart your apps and content based on your customer and time of day and with the auto-orientation feature, showing content in portrait or landscape is as simple as turning the display.

# 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: 420 cd/m<sup>2</sup>
- 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
- Operating system: Android 9
- Panel technology: IPS
- Surface treatment: Anti-Glare coating

## Connectivity

- Video input: Display Port1.2 (x 1), DVI-I (x 1), HDMI 2.0 (x 4), USB 2.0 (x 2), USB 3.0 (x 2), USB-C
- Audio input: 3.5 mm Jack (x 1)
- Audio output: 3.5 mm Jack (x 2)
- Other connections: OPS, micro SD
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack
- Video output: DVI - D (x 1), DisplayPort 1.2 (x 1), HDMI 2.0 (x 2), USB 2.0 (x 2)

## Supported Display Resolution

### • Computer formats

Resolution	Refresh rate
1600 x 1200	60 Hz
1360 x 768	60 Hz
1024 x 768	60, 70 Hz
1152 x 864	60, 70, 75 Hz
1152 x 900	66 Hz
1280 x 720	60, 70 Hz
1280 x 768	60 Hz, 75 Hz
1280 x 800	60, 75 Hz
1280 x 960	60 Hz
1280 x 1024	60, 67, 75 Hz
1366 x 768	60 Hz
1400 x 1050	60, 75 Hz
1440 x 1050	60 Hz
1440 x 900	60, 75 Hz

1600 x 900	60 Hz
1680 x 1050	60 Hz
1920 x 1080	60 Hz
1920 x 1200	60 Hz
3840 x 2160	24, 25, 30, 60 Hz
640 x 350	70 Hz
640 x 480	60, 67, 72, 75 Hz
800 x 600	56, 60, 72, 75 Hz
832 x 624	75 Hz
848 x 480	60 Hz
960 x 720	75 Hz

### • Video formats

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

## Dimensions

- Set dimensions (W x H x D): 1961.00 x 1132.30 x 80.5 mm (D@wall mount) / 108.4 mm (D@speaker cover) mm
- Set dimensions in inch (W x H x D): 77.20 x 44.58 x 3.17" (D@wall mount) / 4.27" (D@speaker cover) inch
- Bezel width: 16.30 mm (even)
- Product weight (lb): 163.8 lb
- Product weight: 74.3 kg
- Wall Mount: 600(H)x400(V) mm, M8
- Smart Insert mount: 100 mm x 100 mm, 6 x M4L6

## Convenience

- Placement: Landscape (18/7), Portrait (12/7)
- Keyboard control: Hidden, Lockable
- Signal loop through: RS232, IR Loop through, DisplayPort
- Network controllable: RJ45, RS232
- Energy-saving functions: Smart Power
- Screen-saving functions: Low Bright
- Ease of installation: Smart Insert
- Other convenience: Carrying handles
- Picture performance: Advanced colour control
- Remote control signal: Lockable

## Power

- Standby power consumption: <0.5 W

- Mains power: 100 - 240 V~, 50 - 60 Hz, 7.5 A
- Consumption (Typical): 390 W
- Consumption (Max): 650 W
- Power Saving Features: Smart Power
- Energy Label Class: G

## Operating conditions

- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20–80% (Operational), 5–95% (Storage) %
- Altitude: 0 ~ 3000 m
- MTBF: 50,000 hour(s)

## Sound

- Built-in speakers: 2 x 20 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)
- Included Accessories: RS232 daisy-chain cable, Cleaning cloth (x 1), DVI-D cable (1.8 m), M2 Screw (x 2), M3 screw (x 2), Philips logo (x 1), Touch Pen (x 2), Touch USB (x 1), USB Cover (x 1)
- Optional accessories: Cast to dangle

## Multimedia Applications

- USB Playback Audio: AAC, M4A, WMA, MP3
- USB Playback Video: MKV, MP4, MPEG, MPG, TS, VOB, ASF, AVI, DAT, FLV, WEBM, WMV
- USB Playback Picture: BMP, JPEG, PNG, JPG

## 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, RoHS, BSMI, CB, ETL, FCC, Class A, PSB, EMF, EAC
- Warranty: 3 year warranty

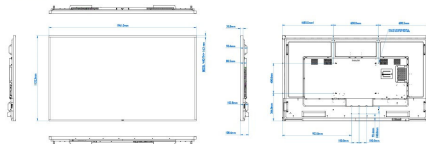
## Interactivity

- Multi-touch technology: Advanced infrared touch
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Tempered safety glass
- Touch points: 20 simultaneous touch points

## Internal Player

- CPU: MTK5680
- GPU: DDR4 4 GB
- Memory: 4 GB RAM
- Storage: 32 GB eMMC
- Wi-Fi: AP(WC0SR2511-88112BU), STA(WCT5GM2511MT7668AU)

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