

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 an 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 & Control

### Smart and powerful

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

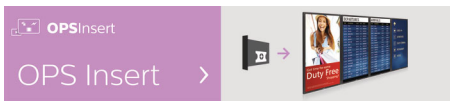
**PHILIPS**

# 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 & Control



Run your display network over a local (LAN) connection. CMND & 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 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: 3840x 2160 @ 60Hz
- 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: 0.4935x0.4935 mm
- Display colors: 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 (x1), DVI-I (x 1), HDMI 2.0 (x4), USB 2.0 (x2), USB 3.0 (x2), USB-C
- Audio input: 3.5mm Jack (x1)
- Audio output: 3.5mm Jack (x2)
- 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 (x1), DisplayPort 1.2 (x1), HDMI 2.0 (x2), USB 2.0 (x2)

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
1600 x 1200	60Hz
1360 x 768	60Hz
1024x768	60,70Hz
1152 x 864	60, 70, 75Hz
1152 x 900	66Hz
1280 x 720	60,70Hz
1280 x 768	60Hz, 75Hz
1280 x 800	60,75Hz
1280 x 960	60Hz
1280x1024	60,67,75Hz
1366 x 768	60Hz
1400 x 1050	60, 75Hz
1440 x 1050	60Hz
1440 x 900	60, 75Hz
1600 x 900	60Hz

1680 x 1050	60Hz
1920 x 1080	60Hz
1920 x 1200	60Hz
3840 x 2160	24,25,30,60Hz
640 x 350	70Hz
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
832 x 624	75Hz
848 x 480	60Hz
960x720	75Hz

### Video formats

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

## Dimensions

- Set dimensions (W x H x D): 1961.00 x 1132.30 x 80.5mm(D@wall mount) / 108.4mm(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: 100mm x 100mm, 6xM4L6

## Convenience

- Placement: Landscape (18/7), Portrait (12/7)
- Keyboard control: Hidden, Lockable
- Signal loop through: RS232, IR Loopthrough, 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 color control
- Remote control signal: Lockable

## Power

- Standby power consumption: <0.5 W
- Mains power: 100 - 240V~, 50 - 60Hz, 7.5A

- 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 20W RMS

## Accessories

- Included accessories: Remote Control, Batteries for remote control, Quick start guide, RS232 cable, AC Power Cord, HDMI cable, IR sensor cable (1.8M)
- Included Accessories: RS232 daisy-chain cable, Cleaning cloth (x1), DVI-D cable (1.8m ), M2 Screw (x2), M3 screw (x2), Philips logo (x1), Touch Pen (x2), Touch USB (x1), USB Cover (x1)
- Optional accessories: Cast to dongle

## 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

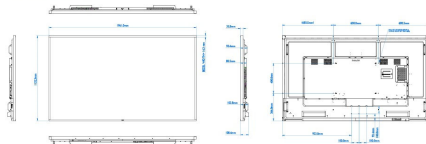
## Interactivity

- 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 4GB
- Memory: 4GB RAM
- Storage: 32 GB eMMC
- Wifi: AP(WC0SR2511-88112BU), STA(WCT5GM2511MT7668AU)

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