

Philips Signage Solutions  
Multi-Touch Display

86"

Powered by Android  
Multi-touch



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

### Smart and powerful

- Anti-glare toughened glass
- OPS slot allows for PC embedding without cabling
- Android SoC processor. Native and web apps
- Whiteboard mode built-in
- Wireless screen sharing & advanced collaboration

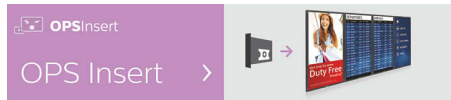
### Interactive and collaborative

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

**PHILIPS**

# Highlights

## 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.

## Advanced IR touch

Advanced IR touch with smaller, shallower bezels

## Anti-glare toughened glass

Anti-glare toughened glass

## 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.

## 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.

## Powered by Android

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimized for native Android apps, and you can install web apps directly to the display too. A new Android OS ensures the software is kept secure and remain to the latest specification for longer.

## 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.

# Specifications

## Connectivity

- Audio output: 3.5mm Jack (x2)
- 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)
- Other connections: OPS, micro SD
- Video output: DisplayPort 1.2 (x1), DVI - D (x1), HDMI 2.0 (x1), USB 2.0 (x2)
- 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: 0.4935x0.4935 mm
- Optimum resolution: 3840x 2160 @ 60Hz
- Brightness: 420 cd/m<sup>2</sup>
- Display colors: 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
- Surface treatment: Anti-Glare coating
- Panel technology: IPS
- Operating system: Android 9

## Convenience

- Placement: Landscape (18/7)
- Screen saving functions: Low Bright
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, IR Loopthrough, DisplayPort
- Ease of installation: Smart Insert

- Energy saving functions: Smart Power
- Other convenience: Carrying handles
- Picture performance: Advanced color control
- Network controllable: RJ45, RS232

## Sound

- Built-in speakers: 2 x 20W RMS

## Power

- Mains power: 100 - 240V~, 50 - 60Hz, 7.5A
- Consumption (Typical): 390 W
- Consumption (Max): 650 W
- Standby power consumption: <0.5 W
- Power Saving Features: Smart Power

## Supported Display Resolution

- Computer formats: 1152 x 864, 60, 70, 75Hz, 1280 x 720, 60,70Hz, 1280 x 768, 60Hz, 75Hz, 1280 x 800, 60,75Hz, 1360 x 768, 60Hz, 1366 x 768, 60Hz, 1400 x 1050, 60, 75Hz, 1440 x 1050, 60Hz, 1440 x 900, 60, 75Hz, 1600 x 1200, 60Hz, 1600 x 900, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz, 1920 x 1200, 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, 1024x768, 60,70Hz, 1152 x 900, 66Hz, 1280 x 960, 60Hz, 1280x1024, 60,67,75Hz, 3840 x 2160, 24,25,30,60Hz, 960x720, 75Hz
- Video formats: 480p, 60Hz, 4K x 2K, 576p, 50Hz, 720p, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 720p, 50, 60Hz

## Dimensions

- Smart Insert mount: 100mm x 100mm, 6xM4L6
- Set Width: 1961.00 mm
- Product weight: 74.3 kg
- Set Height: 1132.30 mm
- Set Depth: 80.5mm(D@wall mount) / 108.4mm(D@speake cover) mm
- Set Width (inch): 77.20 inch
- Set Height (inch): 44.58 inch

- Wall Mount: 600(H)x400(V) mm, M8
- Set Depth (inch): 3.17(D@wall mount) / 4.27 (D@speake cover) inch
- Bezel width: 16.30 mm(even)
- Product weight (lb): 163.8 lb

## Operating conditions

- Altitude: 0 ~ 3000 m
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 30,000 hour(s)
- Relative humidity: 20 ~ 80%(Operational), 5 - 95%(Storage) %
- Temperature range (storage): -20 ~ 60 °C

## Multimedia Applications

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

## Internal Player

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

## 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

## Miscellaneous

- On-Screen Display Languages: English, French,

# Specifications

- 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, RoHS, BSMI, CB, PSB, EAC, EMF, ETL, FCC, Class A

## Interactivity

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



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