

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 HE IR touch with smaller, shallower bezels
- Operate, monitor and maintain with CMND and Control

Smart and powerful

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

PHILIPS

Highlights

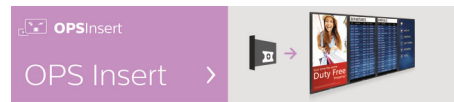
Multi-touch technology

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.

Powered by Android

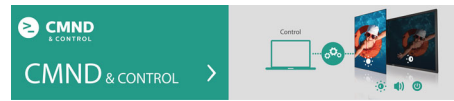
Control your display via an Internet connection. Android-powered Philips Professional Displays are optimised for native Android apps and you can install web apps directly to the display too. A new Android OS ensures the software is kept secure and stays up to date with the latest specification for longer.

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 one screen. Wireless screen sharing allows you to connect up to 32 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 CastTo dongles to cast directly to the screen without needing to connect to your secured/protected network.

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: 350 cd/m²
- 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 MA Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Dynamic contrast enhancement, Progressive scan
- Operating system: Android 9

Connectivity

- Video input: VGA (Analogue D-Sub), DisplayPort, DVI, HDMI (x4), USB-C
- Audio input: 3.5 mm jack
- Audio output: Audio Left/Right (RCA)
- Other connections: micro USB, OPS, micro SD, mPCIe, USB
- External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack

Supported Display Resolution

Computer formats

Resolution	Refresh rate
3840 x 2160	25,30,50 Hz
1920 x 1080	25,30,50 Hz
1600 x 1200	60 Hz
1360 x 768	60 Hz
720 x 400	70 Hz
1024 x 768	60, 75 Hz
1280 x 1024	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
640 x 480	60, 72, 75 Hz
800 x 600	60, 75 Hz

Video formats

Resolution	Refresh rate
1080i	25, 30 Hz
1080p	50, 60 Hz
2160p	30, 50, 60 Hz
480i	30, 60 Hz
480p	30, 60 Hz

576i	25, 50 Hz
576p	25, 50 Hz
720p	50, 60 Hz

Dimensions

- Set dimensions (W x H x D): 1961.00 x 1132.30 x 80.50(@wall mount), 180.40(@max) mm
- Set dimensions in inch (W x H x D): 77.20 x 44.58 x 3.17(@wall mount), 7.10(@max) inch
- Bezel width: 16.30 mm(even)
- Product weight (lb): 156.53 lb
- Product weight: 71.0 kg
- VESA Mount: 600(H)x400(V) mm, M8
- Smart Insert mount: 6*M4*L6(200x100)

Convenience

- Placement: Landscape
- Keyboard control: Hidden, Lockable
- Signal Loop Through: RS232, IR Loop through
- Network controllable: RJ45, RS232
- Energy-saving functions: Smart Power
- Screen-saving functions: Low Bright
- Ease of installation: Smart Insert

Power

- Standby power consumption: <0.5 W
- Mains power: 100 - 240 V~, 50 - 60 Hz, 7.5 A
- Consumption (Typical): 337.4 W
- consumption(Max): 488

Operating conditions

- Temperature range (operation): 0 ~ 40 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 80 %
- 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), USB cable
- Included Accessories: RS232 daisy-chain cable,

- Passive stylus X2
- Optional accessories: CastTo dongle

Multimedia Applications

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

Miscellaneous

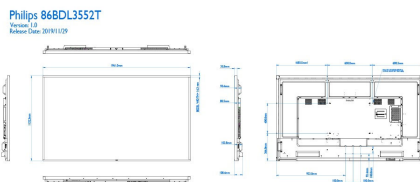
- On-Screen Display Languages: English, French, German, Spanish, Polish, Turkish, Russian, Italian, Simplified Chinese, Traditional Chinese, Arabic, Japanese, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish
- Regulatory approvals: CE, UL/cUL, CCC, RoHS, BSMI, CB, VCCI, EAC, FCC, Class B, PSB
- Warranty: 3 year warranty

Interactivity

- Multi-touch technology: Infrared touch
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Anti-Reflective, 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: 2G/5G 2T2R, 802.11 a/b/g/n/ac dual band



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