



Philips Signage Solutions
Collaboration Display

86"

Powered by Android
Multi-touch



86BDL3152E

Interactive education display

Featuring multi-touch technology

This interactive display maximises engagement and inspires collaboration with up to 40 touchpoints. Powered by Android 13 and with toughened anti-glare and anti-reflection glass, it's made to withstand heavy daily use in busy environments.

Smart and powerful

- OPS slot allows PC embedding without cabling
- Android SoC for seamless software and app integration
- PPDS Wave-ready for remote display management and control
- Built-in ambient light sensor

Style and safety built-in

- Cast directly from any device
- Anti-glare toughened glass
- Palm rejection

Interactive and collaborative

- Multi-touch technology capable of 40 touchpoints
- Advanced IR touch
- Wireless presentations
- Whiteboard application

PHILIPS

Specifications

Connectivity

- Audio output: 3.5 mm Mini Jack (x1), SPDIF
- Video input: HDMI 2.0 (x3), VGA (Analog D-Sub) (x1), USB-C (up to 65W), USB 2.0 (x1), USB 3.0 (x4)
- Audio input: 3.5 mm mini jack (x1)
- Other connections: OPS, micro SD, USB-B (x2)
- External control: RS232C (in) D-Sub9, RJ45 x2
- Bluetooth: BT5.2

Picture/Display

- Diagonal screen size (metric): 218.44 cm
- Diagonal screen size (inch): 86 inch
- Aspect ratio: 16:9
- Panel resolution: 3840 x 2160
- Pixel pitch: 0.4935 (H) x 0.4935 (V)[mm]
- Optimum resolution: 3840 x 2160 @ 60 Hz
- Brightness: 400 cd/m²
- Display colors: 1.07 B
- Contrast ratio (typical): 5000:1
- 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, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Panel technology: VA
- Operating system: Android 13
- OS UI resolution: 1920 x 1080 @ 60 Hz

Convenience

- Placement: Landscape (16/7)
- Screen saving functions: Pixel Shift, Low Brightness
- Keyboard control: Lockable
- Remote control signal: Lockable
- Other convenience: Carrying handles
- Network controllable: RS232, RJ45

Sound

- Built-in speakers: 2 x16 W

Power

- Mains power: 100 ~ 240 VAC, 50/60Hz
- Consumption (Typical): 180 W
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Energy Label Class: G

Supported Display Resolution

- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 30, 60Hz

Dimensions

- Set Width: 1957 mm
- Set Height: 1159.9 mm
- Set Depth: 95.5 mm
- Set Width (inch): 77.05 inch

- Set Height (inch): 45.67 inch
- Wall Mount: 800 x 600 mm, M8
- Set Depth (inch): 3.94 inch
- Bezel width (L/R, T/B): 16.6mm (L/R/T) / 45.0mm (B)

Weight

- Product with packaging (kg): 75 kg
- Product with packaging (lb): 165.35 lb
- Product without stand (kg): 59.2 kg
- Product without stand (lb): 130.51 lb

Operating conditions

- Altitude: 0 ~ 5000 m
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 30,000 hour(s)
- Temperature range (storage): -20~60 °C
- Humidity range (operation)[RH]: 10 ~ 90% (without condensation)
- Humidity range (storage) [RH]: 10 ~ 90% (without condensation)

Multimedia Applications

- USB Playback Video: H.263, H.264, H.265, MPEG1/2, MPEG4, VP8
- USB Playback Picture: BMP, JPEG, PNG
- USB Playback Audio: AAC, MPEG, HEAAC

Internal Player

- CPU: Quad Core Cortex A55
- GPU: Multi-Core Mali-G52
- Memory: 4GB RAM
- Storage: 32 GB eMMC
- Wifi: 2.4/5GHz

Accessories

- Accessories: Power code(US, UK, EU), HDMI cable, USB A to B, Remote control & AAA batteries, 2 pcs stylus, Quick start guide, Wall mount

Miscellaneous

- On-Screen Display Languages: Arabic, Dutch, Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish, Traditional Chinese
- Warranty: 5 year warranty
- Regulatory approvals: CE, FCC, Class A, RoHS, CB, EAC, EMF, ETL, EnergyStar 8.0

Interactivity

- Multi-touch technology: 0-gap Infrared touch
- Touch points: 50 simultaneous touch points (depending on application)
- Plug and play: HID compliant
- Protection glass: Anti-Glare, Tempered safety glass 7MOHS

Highlights

OPS slot

Integrate a full-power PC or Android-powered CRD 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.

Powered by Android

Our integrated Android 13 OS has been specially developed to bring a next level secure professional System on Chip. Save your favorite apps and software directly into the display or, choose from the large library of Android apps.

PPDS Wave-ready

Your PPDS Wave-ready display enables you to manage and maintain this device remotely, wherever you are, whenever you choose. This evolutionary cloud platform puts you fully in control, with simplified installation and set-up, monitoring and controlling displays, upgrading firmware, managing central content needs, and setting power schedules. Saving you time, energy and environmental impact.

Built-in ambient light sensor

Built-in ambient light sensors contribute to energy savings by automatically adjusting the screen brightness to the surrounding lighting conditions.

Palm rejection

Palm rejection for enhanced precision.

Multi-touch technology

Create a memorable interactive experience with up to 40 touchpoints at the same time for slick, agile lessons or brainstorming sessions. Perfect for collaborative and co-creation applications, this display connects your audience with any content. Offering enhanced user friendliness with eraser functionality, palm rejection and tip size recognition.

Advanced IR touch

Advanced 0-gap IR touch with smaller, shallower bezels.

Wireless presentations

Philips ScreenShare makes it easy for teachers and students to wirelessly share their screens from their own device, whatever the operating system, via the browser or their favourite apps, onto the Philips Interactive Collaboration display.

Embedded whiteboard application

The embedded whiteboard application enables seamless collaboration and brainstorming directly on the display.

Cast directly from any device

Teachers, students or employees can cast directly from their device with AirPlay, Google Cast, and Miracast.



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