**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
- Powered by Android
- PPDS Wave-ready for remote display management and control

Environmentally conscious
- EPEAT Bronze rating

Style and safety built-in
- 0-gap touch frame.
- Anti-glare and anti-reflection toughened glass 7 MOH
- Palm rejection

Interactive and collaborative
- Multi-touch technology capable of 40 touchpoints
- Advanced IR touch
- Philips ScreenShare - wirelessly connect any device
- Embedded whiteboard application

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Highlights

Cast directly from any device

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

Powered by Android

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

Multi-touch technology

Create a memorable interactive experience with up to 40 touchpoints at the same time for slick, agile lessons. Perfect for collaborative and competitive applications, this display connects your audience with any content. And the touch panel is HID compliant, providing true plug-and-play operation.

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.

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.

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.

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 (x3)
- External control: IR (in/out) 3.5 mm jack, RS232C (in/out) 2.5 mm jack, RJ45 x2

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: 350 cd/m²
- Display colors: 1.07 B
- Contrast ratio (typical): 1200:1
- 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: ADS
- 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
- Signal loop through: RS232, IR Loopthrough
- Ease of installation: AC Out, Smart Insert
- 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): TBD W
- Consumption (Max): TBD
- Standby power consumption: <0.5W
- Power Saving Features: Smart Power
- Energy Label Class: G

Supported Display Resolution
- Computer formats: 720 x 400, 70Hz, 832 x 624, 75Hz, 1440 x 900, 60Hz, 1600 x 900, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz, 1024 x 768, 60Hz, 1152 x 870, 75Hz, 1280 x 1024, 60Hz, 1280 x 720, 60Hz, 3840 x 2160, 30, 60Hz, 640 x 480, 60,67,75Hz, 800 x 600, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 30, 60Hz, 576i, 50Hz, 576p, 50Hz

Dimensions
- Smart Insert mount: TBD
- Set Width: 1957 mm
- Set Height: 1160 mm
- Weight: TBD kg
- Set Depth: 100 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: TBD

Weight
- Product with packaging (kg): TBD kg
- Product with packaging (lb): TBD lb
- Product without stand (kg): TBD kg
- Product without stand (lb): TBD lb

Operating conditions
- Altitude: 0 ~ 5000 m
- Temperature range (operation): 0 ~ 40 °C
- MTBF: 50,000 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, VP9
- 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

Accessories
- Included Accessories: Cleaning cloth (x1), HDMI Cable (3m) (x1), IR sensor cable (1.8 m) (x1), Philips logo (x1), Quick start guide (x1), Remote control & AAA batteries, RS232 daisy chain cable (x1), Touch Pen (x2), USB A to B cable (3m) (x1), RS232 cable, AC Power Cord, Cable clip (x3), AC switch cover & Screw x1, DVI-D cable, USB cover and screws
- Optional accessories: Interact dongles

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,

Specifications

CB, EAC, EMF, ETL

Interactivity
• Multi-touch technology: 0-gap Infrared touch

• Touch points: 40 simultaneous touch points
• Plug and play: HID compliant
• Protection glass: Anti-Glare, Tempered safety glass 7MOHS

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