

DHI-LPH86-SC410-S2



Functions

4K HD Display With up to 3840 × 2160 resolution, the 4K HD display delivers a clear image in sharp, vivid colors.

Similar to Real Writing Experience

The electronic whiteboard supports pen-point writing. It comes equipped with specialized pressure-sensitive writing pens, designed to enhance the writing experience. With its soft, comfortable nib, writing on the whiteboard feels natural, similar to the real writing experience.

Remote Management

From the comfort of the platform, you can remotely shutdown, restart, configure alarms, turn the display on and off, adjust the image and volume, and schedule the device to turn on and off.

Text Recognition

Converts written letters into text in real time, using the default font of the system.

Wireless Screen Sharing

In addition to basic file sharing, the device offers wireless screen sharing, interactive operations between two screens, and reverse transmissions. It also supports screen grouping (multiple transmission), host mode (for overall permission control), real-time transmission of images, videos and audios from the wireless camera of the mobile phone to the device, and split-screen mode that displays up to 9 splits on the same screen up to 10m.

- The 86-inch 4K DLED display uses zero lamination technology and is built of anti-glare tempered glass, which reduces air refraction and parallax, and enhances the effect of the display.
- Infrared touch technology, support Android under 40 points infrared touch, windows under 50 points touch, touch accuracy ± 1 mm, response time < 5 ms.
- Easily switches between Android and Windows.
- Performs screen mirroring with one-click for phones, computers, tablets and more. Supports reverse touch.
- Offers a smooth writing experience through handwriting recognition, pen writing, the fast writing response speed, and pen pressure recognition for a real writing experience.
- Supports multiple gestures such as zoom, drag and pan. You can also erase with the point, circle or board gesture erasers, or click once to clear the screen.
- Annotations can be easily added to any page.
- Supports taking notes and generating QR codes for file sharing and storage.

Scene

The whiteboard is ideal for indoor sites such as classrooms and meeting rooms.

Technical Specification

Built-in System

Operating System	Android 14
CPU	Octa-Core A55
CPU Frequency	1.2 GHz
GPU	MaliG52 × 4
RAM	8 GB
ROM	128 GB

LCD Panel

Panel Dimensions	86 inch
Backlight	DLED
Aspect Ratio	16:9
Brightness	350 cd/m ² (typ.)
Static Contrast	IPS: 1200 (typ.)
Resolution	3840 (H) × 2160 (V)
Viewing Angle	178° (H) / 178° (V)
Lifespan	≥50,000 hrs

Color	10bit
Response Time	≤8 ms (typ.)
Refresh Rate	60 Hz

Camera

Camera	Image : 48MP, Video: 2 MP
Auto Control	Auto White Balance
Distortion	≤8.7%
Max. Resolution	3840 (H) × 2160 (V)
Field of View	H: 93°, V: 75°, D: 120°

Device Ports

Light Sensor	Yes
Front Button	1 button: Power supply
Front Ports	1 × USB 2.0 Type-A (switchable) port 1 × USB3.2 Gen1 Type-A (switchable) port 1 × TYPE-C (USB, 5 V, 1 A Charge) port 1 × HDMI IN (4K@30 Hz) port 1 × USB Touch Type-B 2.0 port
Rear Port	1 × Android USB 2.0 Type-A port 1 × USB 2.0 Type-A (switchable) port 2 × HDMI IN (4K @60 Hz) port 1 × USB Touch Type-B 2.0 port 1 × RS-232 port (DB9 port) 1 × 10/100 Mbps RJ-45 port 1 × Audio Out port 1 × COAX port 1 × MIC IN port 1 × HDMI Out port
TF Card Slot	1 × TF card slot, up to 128 GB
Others	1 × OPS port
Wi-Fi	Yes
Wi-Fi Standard	802.11b/g/n/a/ac
Wi-Fi Frequency Range	2400–2483.5 MHz; 5150–5250 MHz; 5250–5350 MHz; 5470–5725 MHz; 5725–5850 MHz
Max Power Transmission (Wi-Fi)	≤20 dBm@2400–2483.5 MHz; ≤23 dBm@5150–5250 MHz; ≤20 dBm@5250–5350 MHz; ≤27 dBm@5470–5725 MHz; ≤14 dBm@5725–5850 MHz
Bluetooth	Yes
Bluetooth Standard	BR/EDR/BLE, BT5.0
Bluetooth Frequency Range	2402 MHz–2480 MHz
Max Power Transmission (Bluetooth)	CE EIRP: ≤20 dBm@2400–2483.5 MHz

Function

IR Receiver	1
Wireless Access Point	1

Touchscreen

Touch Technology	Infrared
Attachment Method	Zero bonding Air Gap

Response Time	≤5 ms
Touch Points	Windows: 50 points Android: 40 points
Touch Accuracy	±1 mm (covers 90% of the area)
Valid Touch	2 mm (0.08") (covers 90% of the area)
Touch Height	≤2 mm
Writing Mode	Finger and stylus pen (magnetic)
Communication Mode	USB + UART
Anti-light Interference	Anti-dazzle glass
Surface Hardness	≥9H
Touch Resolution	32767 × 32767

Speaker

Built-in Speaker	2 full-range speakers; The power of a single speaker is not less than 15 W
Power	2.0 sound channel, front-end: 2 × 15 W
Frequency	20 Hz–20 kHz

Microphone

Microphone	8 arrays
Pick-up Distance	0 m-8 m (0 ft–26.25 ft) pickup
Polar Pattern	omnidirectional

General

Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	195 W (basic), 260 W (max)
Standby Power Consumption	≤0.5 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Temperature	–10 °C to +50 °C (+14 °F to +122 °F)
Operating Humidity	10%–90%, 101 kPa
Storage Humidity	10%–90%, 101 kPa
Product Material	Metal casing
Glass	4 mm anti-dazzle tempered glass
Casing Color (Frame/Rear)	Black
Product Dimensions	1,955 mm × 116 mm × 1,182 mm (76.97" × 4.57" × 46.54")
Frame Size	Top frame: 46.54 mm (1.83"); Left and right frame: 16.54 mm (0.65"); Bottom frame: 115.45 mm (4.55")
Packaging Dimensions	2,000 mm × 200 mm × 1,300 mm (78.74" × 7.87" × 51.18") (L × W × H)
Net Weight	54.07 kg (119.20 lb)
Gross Weight	65 kg (143.30 lb)
Holes Distance	800 mm × 400 mm (31.50" × 15.75")
Installation	Wall mount bracket

Packing List	1 × Accessory Package
	2 × Stylus Pen
Certification	1 × Power Cord
	1 × Remote Control
Certifications	1 × Legal and Regulatory Information
	2 × Aerial Rod
	1 × Screw Kit
	1 × Quick Start Guide
CE	

Dimensions (mm[inch])

Technical drawings of the DHI-LPH86-SC410-S2 display. The top row shows front and rear views with dimensions. The bottom row shows side and rear views with dimensions. The dimensions are in mm and inches.

Panels

