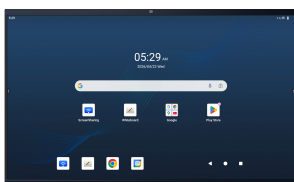


DHI-LPH86-MC470-C-S3

86 inch Smart interactive whiteboard



Series Overview

Dahua DeepHub Classic Smart Interactive Whiteboard is a new generation of smart interactive whiteboards that have a high performance main controller and multiple intelligent functions. It adopts direct-type LED backlight technology and has a 4K LED display that is built of anti-dazzle tempered glass with a hardness of 7 on the Mohs scale. The display comes in 65", 75", and 86". This ultra-thin whiteboard supports up to 10 multi-user writing points and is equipped with a 52 MP lens, speakers, 8 microphone arrays, and is touchscreen. It offers various functions such as video conferencing, writing on the whiteboard, wireless screen sharing and allows you to scan codes to access content on the whiteboard.

Technical Specification

Built-in System

Operating System	Android 16.0
CPU	Quad-core A53 + quad-core A72
CPU Frequency	Main frequency 2.2 GHz
GPU	Mali-G52 MC3
RAM	8 GB
ROM	128 GB

General

Operating System of External Module	Windows 11; Android
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	135 W (basic), 400 W (max)
Standby Power Consumption	≤0.5 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)

- Supports 4K ultra-high-definition display with a 4K UI.
- Equipped with 2 built-in mid-high frequency speakers; supports 2.0 sound channel audio output, with a total speaker power of 40 W.
- Produces vibrant and vivid visual effects through its high color gamut (90% NTSC high color gamut screen), high color accuracy ($\Delta E \leq 1.5$), and brightness of 400 cd/m².
- Supports one-click screen sharing from mobile phones, computers, tablets, etc., and multi-screen split display function.
- Supports various office software such as Office and audio/video file playback.
- Smooth writing: supports handwriting and stylus input, with fast writing response speed, and supports pen-tip pressure sensitivity for a realistic writing experience.
- Supports smart text and smart graphics.
- Supports smart pen pick-up detection, automatically waking up annotation and whiteboard functions when the pen is lifted, allowing quick entry into writing mode.
- Equipped with built-in 52 M AI camera and 8-array microphone, supports face focus and speaker-centric focus, with up to 9x digital zoom, creating an immersive video conferencing experience.
- BYOM: Supports using the whiteboard camera and microphone via TYPE-C IN and screen mirroring device. Supports NFC card swipe for unlocking and account login.
- Supports all-featured TYPE-C IN.
- Supports HDMI IN ARC.

Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating Humidity	0%–93%, 101 kPa
Storage Humidity	0%–93%, 101 kPa
Protection	IP20
Product Material	Metal casing
Glass	3 mm anti-dazzle tempered glass
Casing Color (Frame/Rear)	Black on the left and right, dark blue on the top and bottom
Product Dimensions	1,953.8 mm × 115.7 mm × 1,205.9 mm (76.92" × 4.56" × 47.48")
Frame Size	Top frame: 40.9 mm (1.61"); Left and right frame: 17.5 mm (0.69"); Bottom frame: 65.3 mm (2.57")
Packaging Dimensions	2,090.0 mm × 227.0 mm × 1,315.0 mm (82.28" × 8.94" × 51.77") (L × W × H)
Net Weight	62.3 kg (137.35 lb)
Gross Weight	74.6 kg (164.46 lb)

Holes Distance	800 mm × 400 mm (31.50" × 15.75")
Installation	Wall mount or mobile bracket
Packing List	1 × Smart Display 2 × Stylus Pen 1 × Wall Mount Bracket 1 × Global Laws and Regulations Manual 1 × Wireless Plug-in Module 1 × Power Cord 1 × Quick Start Guide 1 × Expansion Tube and Expansion Screw Set 1 × Remote Control

LCD Panel

Screen Size	86 inch
Backlight	DLED
Aspect Ratio	16:9
Brightness	400 cd/m²
Static Contrast Ratio	1500:1
Resolution	3840 (H) × 2160 (V)
Viewing Angle	178° (H)/178° (V)
Lifespan	≥30,000 hrs
Display Color	90% NTSC
Response Time	≤8 ms
Refresh Rate	60 Hz

Camera

Camera	52 MP
Auto Control	Auto White Balance
Distortion	≤8.6%
Max. Resolution	3840 (H) × 2160 (V)
Storage	512 MB
Field of View	Horizontal: 87°, vertical: 49°, diagonal: 99°
Face Detection	Yes

Device Ports

Light Sensor	1
Front Button	8 buttons: Custom Volume - Volume + Curtain Touch lock Signal source Home Power supply
Front Ports	1 × TYPE-C port 2 × USB 3.0 port 1 × HDMI IN port 1 × Touch port
Rear Port	1 × HDMI OUT port 2 × HDMI IN ports 2 × Touch ports 1 × USB 2.0 port 2 × RJ-45 ports

Rear Port	1 × Type-C IN port 1 × DP IN port 2 × USB 3.0 port
SD Card Slot	1 × SD card slot, up to 512 GB
Others	1 × SPDIF OUT port 1 × RS-232 port 1 × LINE OUT port 1 × LINE IN port 1 × VGA AUDIO IN port 1 × VGA IN port 1 × Touch port
Wi-Fi	Yes
Wi-Fi Standard	802.11b/g/n/a/ac/ax
Wi-Fi Frequency Range	2400-2483.5 MHz , 5150-5350 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 (Bluetooth mode), BT5.4
Bluetooth Frequency Range	2400-2483.5 MHz
MAX Power Transmission (Bluetooth)	≤20 dBm@2400-2483.5 MHz ;
RFID Modulation Method	ASK
RFID Frequency Range	13.56 MHz
MAX Power Transmission (RFID)	13.56 MHz: 42 dBuA/m @10 m

Function

IR Receiver	1
NFC	1 × NFC
Wireless Access Point	Wi-Fi 6, 2.4 GHz/5 GHz; supports 802.11a/b/g/n/ac/ax

Touchscreen

Response Time	≤1.67 ms
Touch Technology	Infrared
Attachment Method	Zero Air Gap
Touch Points	Android: 50 points Windows: 50 points
Touch Accuracy	±0.5 mm (covers 90% of the area)
Valid Touch	1.5 mm (0.06")
Writing Mode	Finger and stylus pen (magnetic)
Communication Mode	USB
Anti-light Interference	Anti-dazzle tempered glass
Surface Hardness	≥9H
Touch Resolution	32767 × 32767

Speaker

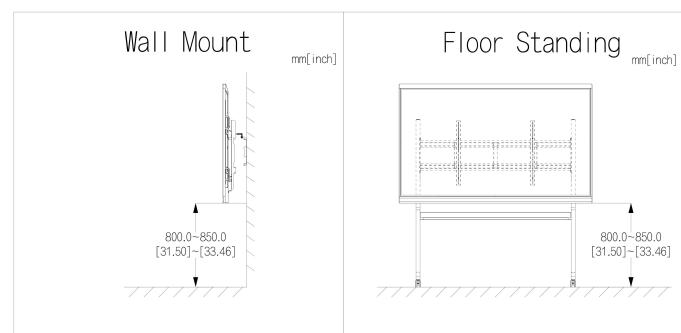
Built-in Speaker	2 mid-high frequency speakers
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Power	2.0 sound channel, front-end 2 × 20 W
Frequency	150 Hz–20 kHz
Microphone	
Microphone	8 arrays
Pick-up Distance	8 m-12 m (26.25 ft–39.37 ft) pickup
AGC	Yes
Echo Cancellation	Yes
Polar Pattern	Omnidirectional
Intelligent Noise Filtering	Yes
Certification	
Certifications	CE, CB, EDLA

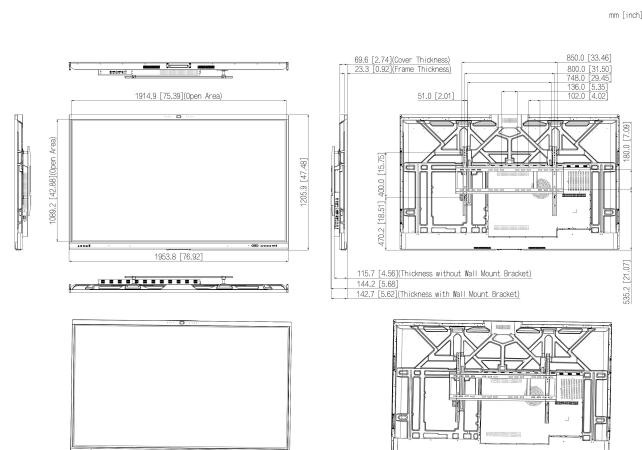
Ordering Information

Type	Model	Description
Smart interactive whiteboard	DHI-LPH86-MC470-C-S3	86 inch Smart interactive whiteboard

Installation



Dimensions (mm[inch])



Panels

