DHI-LCH86-MC410-B-S2

86 inch



- Displays in 4K Ultra HD and uses 4K UI.
- With its 2 built-in mid-high frequency speakers, the device supports 2.0-channel audio output, and its total power is 30 W.
- Microsoft Office and other related software can be installed, and it can play audio and video files in various formats.
- Offers a smooth writing experience through handwriting recognition, pen writing, its fast writing response speed, and pen pressure recognition.
- Support AI recognition of text and drawings.
- Built-in 8 array microphone and AI 48M camera , produces high-quality visuals and audio communication.
- Seamlessly calls the camera and microphone of the whiteboard through its Type-C IN port and screen projector.

Functions

4K HD Display

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

AI Recognition of Drawings

Identifies hand-drawn structures such as straight lines, arrow-straight lines, arrow-dotted lines, triangles, parallelograms, trapezoids, rectangles, pentagons, circles, cylinders, pentagrams, semicircles, and ellipse.

Easy to Share

Enhances the experience of sharing files by scanning a code. It automatically determines the network of the device to readily share the QR code across the extranet and the intranet. QR code encryption and extraction are also featured, providing privacy and data security through the required entry of a 6-digit password for verification.

File Management

Supports managing and using Office files, image, video and audio files, and file formats such as PDF and TXT.

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.

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.

Technical Specification

Built-in System

Operating System	Android 14
CPU	Quad-core A55
CPU Frequency	1.9 GHz
GPU	ARM Mali-G52 MP2 (2EE)
RAM	8 GB
ROM	64 GB
NFC	No

Function

Operating System of External Module	Windows 7/8/10
Wi-Fi Hotspot	Dual-band 2.4 G/5 G; Supports enabling hotspot and Wi-Fi at the same time

LCD Panel

Screen Size	86 inch
Backlight	LED
Aspect Ratio	16:9
Brightness	350 cd/m² (typ.)
Resolution	3840 × 2160
Viewing Angle	H: 178°; V: 178°
Lifespan	≥50, 000 hrs
Display Color	≥72% NTSC
Refresh Rate	60 Hz
Static Contrast Ratio	IPS: 1200 (typ.)
Response Time	≤8 ms (typ.)

Camera

Camera	Photo: 48 MP; Video: 4MP
Auto Control	Auto white balance
Distortion	≤5%
Max. Resolution	2560 × 1440@30 fps
Field of View	D: 88°, H: 79°, V: 51
Face Detection	No

Device Ports

Light Sensor	1
Front Button	1 × power button
Front Ports	1 × USB 2.0
Network Port	1 × RJ-45
Wi-Fi	Yes, 1 × Station, 1 × AP
Wi-Fi Standard	Station: 802.11b/g/n/a/ac/ax AP: 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, BT5.2
Bluetooth Frequency Range	2400–2483.5 MHz
MAX Power Transmission (Bluetooth)	≤20 dBm@2400–2483.5 MHz
USB	1× USB 3.0 (type A); 2 × USB 2.0 (type A); 1 × Micro USB 2.0
RS-232	1 × DB9 male connector
Video Input	2 × HDMI 2.0 (4K@60 Hz)
Audio Output	1 × 3.5 mm Line Out port
Others	1× Touch port
IrDA	1
Microphone	8 arrays
Type-C Port	1 × USB 2.0 device + 5 W charging

Touchscreen

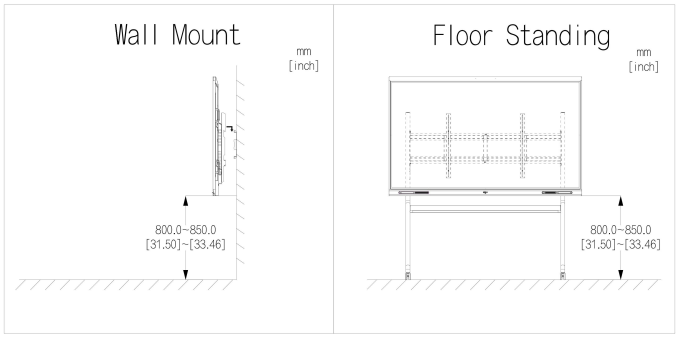
Response Time	≤5 ms
Touch Technology	Infrared
Touch Points	Android: 32 points, Windows: 40 points
Valid Touch	2 mm (0.1") (over 90% touch area)
Writing Mode	Finger + Pen (attaches magnetically)
Anti-light Interference	Anti-dazzle tempered glass
Surface Hardness	≥9H
Touch Resolution	32767 × 32767
Number of Multi-user Writing Points	5 points 3mm (over 90% touch area)

Speaker

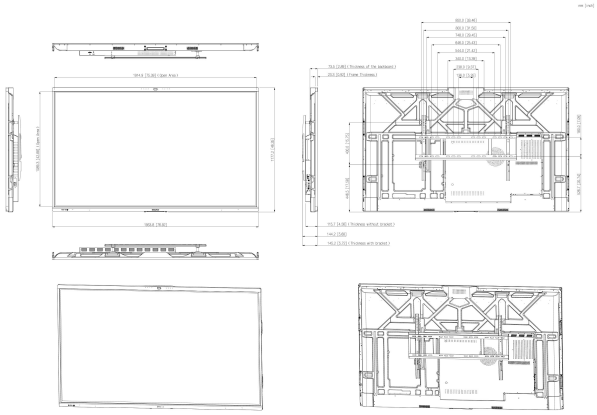
Number of Cavities	2
Frequency	150 Hz–20 kHz
Power	2.0 sound channel, front-end: 2 × 15 W
Built-in Speaker	2

Microphone

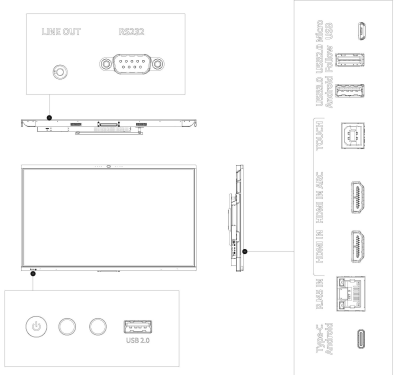
Pick-up Distance	Long-range sound pickup: 8 m–12 m (26.25 ft–39.37 ft)
Number of Microphones	8 arrays
AGC	Yes
Echo Cancellation	Yes
Polar Pattern	Omnidirectional
Intelligent Noise Filtering	YES



Dimensions (mm[inch])



Panels



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