DHI-LPH65/75/86-ST470-P

65/75/86 inch Smart interactive whiteboard

The plug-in camera is sold separately.

- 65/75/86-inch 4K DLED display with Zero Air Gap technology that delivers a clear image in sharp, vivid colors.
- Wireless screen sharing from multiple devices with an intuitive, easy-to-use system.
- 8 physical front buttons for quick access to functions.
- Multiple ports and front full-featured Type-C supports 65 W charging.
- Smooth writing experience that supports handwriting recognition.
- Quick file sharing by scanning a QR code, with easy file encryption for added privacy and security.
- Switches between Android and Windows, and OPS module is optional.
- Optional USB camera that takes photos in 48 MP resolution.

Series Overview

Dahua DeepHub Smart Interactive Whiteboard for Education has powerful processing capabilities with its 8-core CPU, 8 GB RAM and 64 GB ROM capacity. Equipped with a ϕ2 mm high-precision IR frame and 4K high-definition DLED, this series of whiteboards will give you an extraordinary experience whether you are writing, controlling or displaying content. It features wireless screen sharing, file management, high-definition display, Scan & Go, and more. You can rely on this whiteboard to modernize your classrooms.

Functions

Hidden Antenna Design

The Wi-Fi and hotspot antenna is neatly concealed in the front of the device, ensuring the stability of the signal strength when using a flush mount, and giving the device its simple and sleek appearance.

Screen Sharing

The content on your screen can be freely shared with one other device through a wired connection.

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.

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.

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.

Text Recognition

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

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.

File Management

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

Scene

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

Technical Specification

Built-in System

Operating System	Android 11
CPU	Quad-core A73 + Quad-core A53
CPU Frequency	2.2GHz + 2.0GHz
GPU	ARM Mali-G52 MP8 (8EE)
RAM	8 GB
ROM	64 GB (optional 128 GB)

LCD Panel

Panel Dimensions	65 inch; 75 inch; 86 inch
Backlight	DLED
Aspect Ratio	16:09
Brightness	400 cd/m² (typ.)
Static Contrast	VA: 4000 (typ.); IPS: 1200 (typ.)
Resolution	3840 × 2160
Viewing Angle	178°(H) / 178°(V)
Lifespan	50,000 hours
Display Color	1.07 B/10 bit (8 bit + FRC)
Response Time	8ms (typ.)
Refresh Rate	60 Hz

Plug-in Camera (sold separately)

Plug-in Camera	48 MP
Auto Control	Auto white balance
Distortion	–8.6%
Max. Resolution	3840 × 2160@30 fps
Field of View	H: 87°; V: 49°; D: 99°

Device Ports

Light Sensor	Yes
Front Button	8 buttons (power, home, menu, signal source, touch lock, curtain, volume, and annotation)
Front Ports	Type C × 1 (4K@60 Hz, Touch, 65 W) HDMI In × 1 (4K@60 Hz) USB 3.0 Type-B × 1 (Touch) USB 3.0 Type A × 2 Mic In × 1 (3.5 mm port)
Rear Port	Type C × 1 (4K@60 Hz, Touch, 15 W) HDMI In × 2 (4K@60 Hz) VGA In × 1 (1080p@60 Hz) DP In × 1 (4K@60 Hz) USB 3.0 Type-B × 3 (Touch) HDMI Out × 1 USB 3.0 Type A × 2 USB 2.0 Type A × 1 Micro USB × 1 RS-232 × 1 RJ-45 In × 1 RJ-45 Out × 1 Audio In × 1 (3.5 mm port, used to play sound with VGA) Audio Out × 1 (3.5 mm port) SPDIF Out × 1 (Optical port) OPS slot × 1

Function

IR Receiver	Yes
Bluetooth	Bluetooth 5.2
Wi-Fi	WIFI 5, 2.4 GHz/5 GHz; Integrated Wi-Fi 802.11 a/b/g/n/ac, supports PEAP/EAP-GTC authentication protocol within 802.l×
Wireless Access Point	WIFI 6, 2.4 GHz/5 GHz; Supports enabling hotspot and Wi-Fi at the same time

Touchscreen

Touch Technology Type	Infrared touch technology
Attachment Method	Zero Air Gap
Response Time	≤10 ms
Touch Points	Android: 32, Windows: 40
Touch Accuracy	± 1 mm (0.04") (over 90% area)
Valid Touch	2 mm (0.08")
Touch Height	3 mm (0.12")
Writing Mode	Finger + Pen
Communication Mode	USB
Anti-light Interference	Anti-dazzle tempered glass
Surface Hardness	8H
Touch Resolution	32767 × 32767

Speaker

Built-in Speaker	3
Power	2.1 channel front-end: 2 × 15 W (Max.) Back-end: 20 W (Max.)
Frequency	20 kHz–200 kHz

Microphone

Microphone	8-array
Pick-up Distance	6 m–10 m (19.69 ft–32.81 ft)
AGC	Yes
Echo Cancellation	Yes
Polar Pattern	Omni-directional
Intelligent Noise Filtering	Yes

General

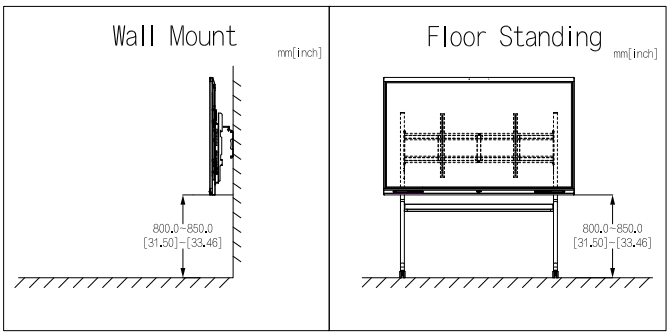
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	65-inch: 120 W (typ.); 300 W (max.); 75-inch: 150 W (typ.); 350 W (max.); 86-inch: 250 W (typ.); 500 W (max.)
Standby Power Consumption	≤0.5 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Temperature	–10 °C to +50 °C (+14 °F to +122 °F)
Operating Humidity	10%–90% (RH)

Storage Humidity	10%–90% (RH)
Product Material	Metal
Glass	4 mm Anti-dazzle tempered glass
Casing Color (Frame/Rear)	Bottom/top: Silver; left/right: black; back: black
Product Dimensions	65-inch: 1,485.2 mm × 93.0 mm × 924.5 mm (58.47" × 3.66" × 36.40") 75-inch: 1,707.5 mm × 93.0 mm × 1,050.0 mm (67.22" × 3.66" × 41.34") 86-inch: 1,953.2 mm × 93.0 mm × 1,187.9 mm (76.90" × 3.66" × 46.77")
Packaging Dimensions	65-inch: 1,580.0 mm × 200.0 mm × 1030.0 mm (62.20" × 7.87" × 40.55") 75-inch: 1,800.0 mm × 200.0 mm × 1,165.0 mm (70.87" × 7.87" × 45.87") 86-inch: 2,050.0 mm × 200.0 mm × 1,310.0 mm (80.71" × 7.87" × 51.57")
Net Weight	65-inch: 42 kg (92.60 lb) 75-inch: 54 kg (119.05 lb) 86-inch: 70 kg (154.33 lb)
Gross Weight	65-inch: 52 kg (114.64 lb) 75-inch: 68 kg (149.92 lb) 86-inch: 85 kg (187.40 lb)
Holes Distance	65-inch: 500 mm × 400 mm (19.69" × 15.75") 75-inch: 600 mm × 400 mm (23.62" × 15.75") 86-inch: 800 mm × 400 mm (31.50" × 15.75")
Installation	Wall mount; mobile bracket
Packing List	Smart interactive whiteboard × 1 Power cord × 1 Passive stylus pen × 2 HDMI cable × 1 Quick start guide × 1 Wall mount bracket (already installed on the whiteboard) × 1 Accessory package × 1 Remote control × 1 Legal and Regulatory Information × 1

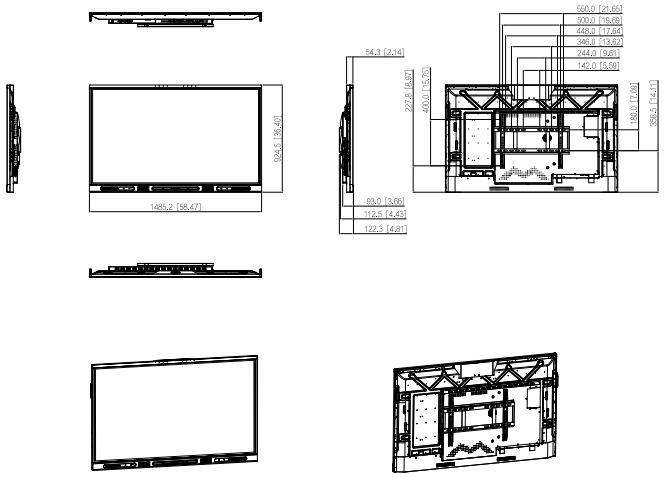
Certification

Certifications	CB, CE, Energy Star, ROHS, REACH, WEEE

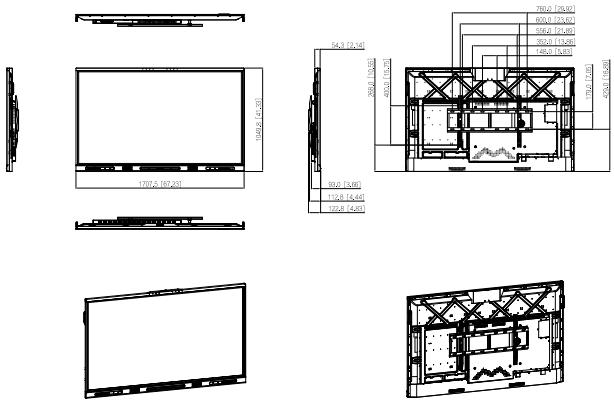
Installation



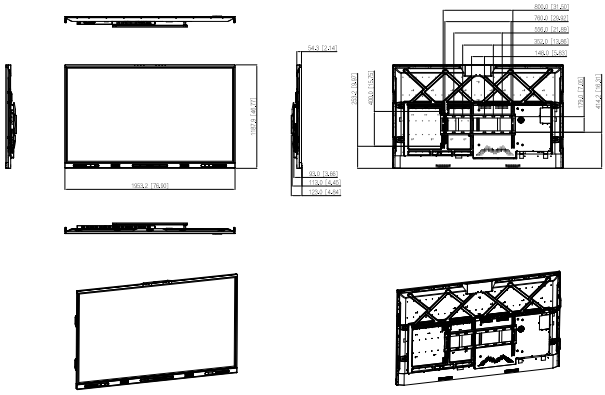
Dimensions (mm[inch])



65 inch

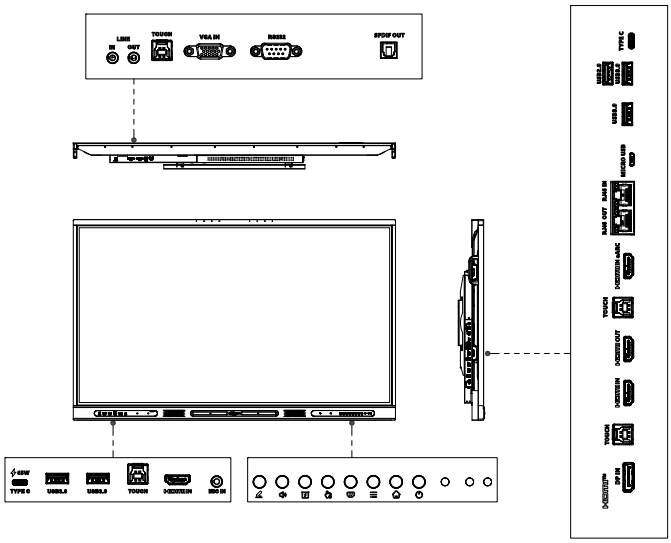


75 inch



86 inch

Panels



65/75/86 inch

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