

DHI-LPH65/75/86-ST420

65/75/86 inch Smart interactive whiteboard



Series Overview

Dahua DeepHub Smart Interactive Whiteboard for education has powerful processing capabilities with its 4-core CPU and up to 8 GB RAM and 64 GB storage capacity. Equipped with a high-precision infrared frame with a 2 mm identification diameter, and a 4K high-definition DLED module, this whiteboard will give you an extraordinary experience with writing, controlling the whiteboard and displaying content on it. It features wireless screen sharing, file management, HD display, scan & go, and more AI functions to enhance your experience. You can rely on this whiteboard to modernize your classrooms.

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.

File Management

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

- 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.
- Smooth writing experience, and 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.

Screen Down Reachability

The system supports pulling down the screen to 1/3 the full height, to place the entire screen at a reachable distance for you.

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.

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.

Similar to Real Writing Experience

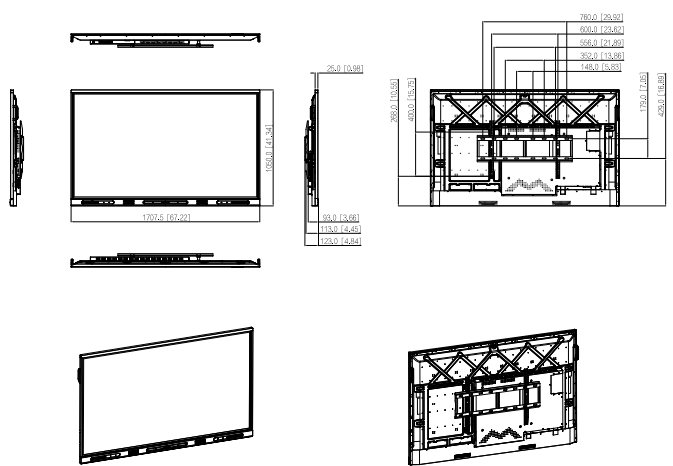
The electronic whiteboard supports pen-point writing. It comes equipped with specialized pressure-sensitive writing pens, designed to enhance the writing experience. With its soft, comfortable nib, writing on the whiteboard feels natural, similar to the real writing experience.

Scene

The DeepHub Lite for Edu series is ideal for use in classrooms and other indoor sites.

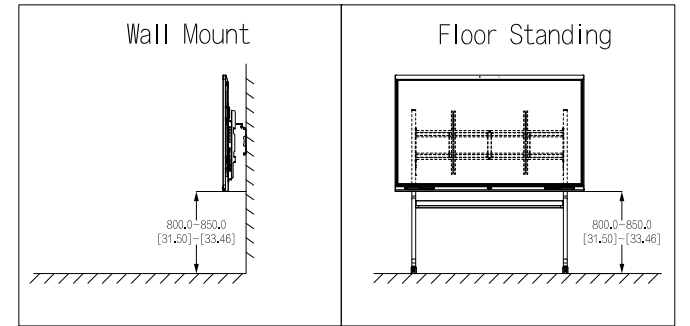
Technical Specification		Wireless Access Point	
Built-in System		WIFI 5, 2.4 GHz/5 GHz; Supports enabling Hotspot and Wi-Fi at the same time	
Operating System	Android 11	Touchscreen	
CPU	Quad-core A55	Touch Technology Type	Infrared touch technology
CPU Frequency	1.9 GHz	Attachment Method	Zero Air Gap
GPU	ARM Mali-G52 MP2 (2EE)	Response Time	≤10 ms
RAM	8 GB (optional 4 GB)	Touch Points	Android: 32, Windows: 40
ROM	64 GB (optional 32 GB)	Touch Accuracy	± 1 mm (over 90% Area)
LCD Panel		Valid Touch	2 mm
Panel Dimensions	65 inch; 75 inch; 86 inch	Touch Height	<2.5 mm
Backlight	DLED	Writing Mode	Finger + Pen (attaches magnetically)
Aspect Ratio	16:09	Communication Mode	USB
Brightness	400 cd/m² (typ.)	Anti-light Interference	Anti-dazzle tempered glass
Contrast	VA: 4000; IPS: 1200	Surface Hardness	8H
Resolution	3840 × 2160	Touch Resolution	32767 × 32767
Viewing Angle	178° (H) / 178° (V)	Speaker	
Lifespan	50,000 hours	Built-in Speaker	2
Display Color	1.07 B	Power	2.0 sound channel, front-end: 2 × 15 W
Response Time	8 ms (typ.)	General	
Refresh Rate	60 Hz	Power Supply	100–240 VAC, 50/60 Hz
Device Ports		Power Consumption	65-inch: 120 W (typ.); 200 W (max.) 75-inch: 150 W (typ.); 300 W (max.) 86-inch: 200 W (typ.); 400 W (max.)
Light Sensor	Yes	Standby Power Consumption	≤0.5 W
Front Button	8 buttons (power, home, menu, signal source, touch lock, curtain, volume, and annotation)	Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Front Ports	Type C × 1 (4K@60 Hz, Touch) 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)	Storage Temperature	–10 °C to +50 °C (+14 °F to +122 °F)
Rear Port	Type C × 1 (4K@60 Hz, Touch) HDMI In × 2 (4K@60 Hz) VGA In × 1 (1080p@60 Hz) USB 3.0 Type-B × 3 (Touch) HDMI Out × 1 USB 3.0 Type A × 2 Micro USB × 1 RS-232 × 1 RJ45 In × 1 RJ45 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	Operating Humidity	10%–90% (RH)
Function		Storage Humidity	10%–90% (RH)
IR Receiver	Yes	Product Material	Metal
Bluetooth	Bluetooth 5.2	Glass	4 mm Anti-dazzle tempered glass
Wi-Fi	WIFI 5, 2.4 GHz/5 GHz; Integrated WIFI 802.11 b/g/n/ac, supports PEAP/EAP-GTC authentication protocol within 802.IX	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: 40 kg (88.19 lb) 75-inch: 52 kg (114.64 lb) 86-inch: 68 kg (149.92 lb)
		Gross Weight	65-inch: 50 kg (110.23 lb) 75-inch: 65 kg (143.30 lb) 86-inch: 82 kg (180.78 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	CE, CB, Energy Star, ERP, RoHS, WEEE

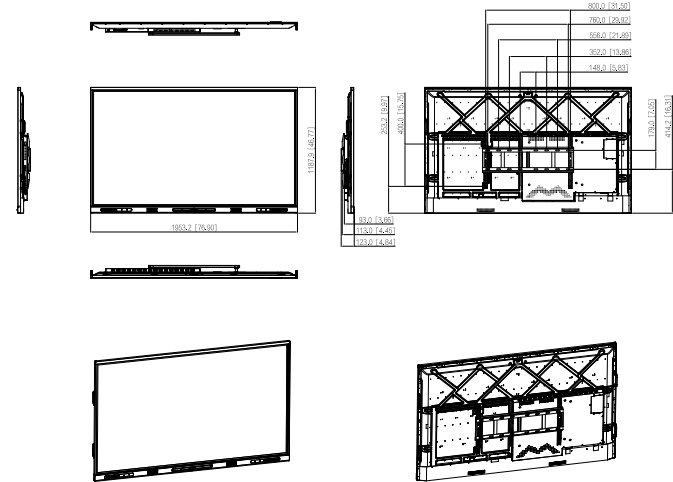


75 inch

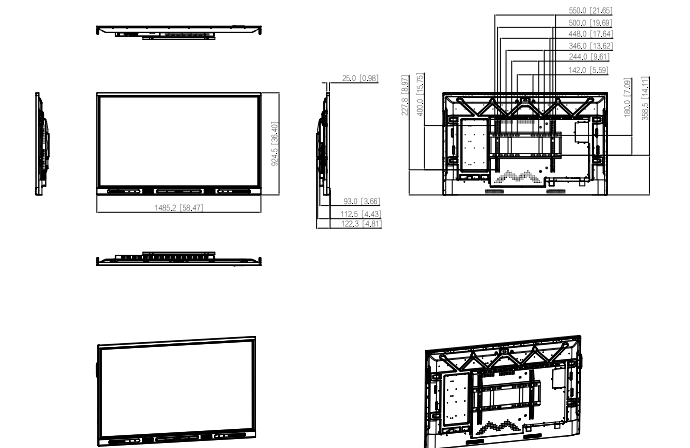
Installation



Dimensions (mm[inch])



86 inch



65 inch

Panels

