

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

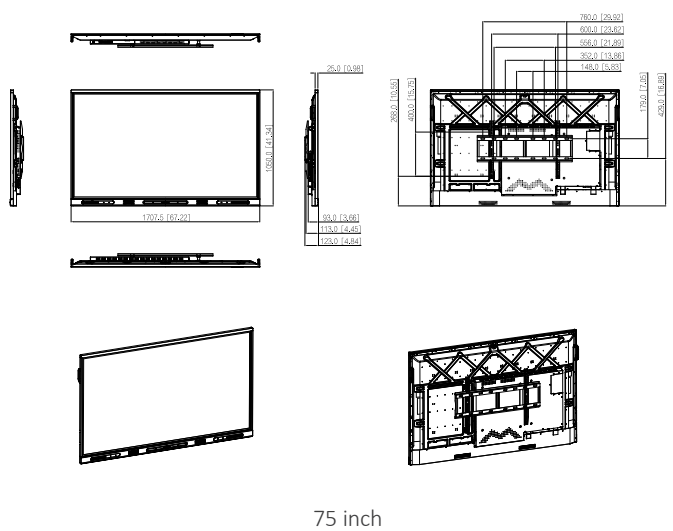
The electronic whiteboard supports pen-point writing. It comes equipped with specialized pressure-sensitive writing pens, designed to enhance the writing experience. With its soft, comfortable nib, writing on the whiteboard feels natural, similar to the real writing experience.

Scene

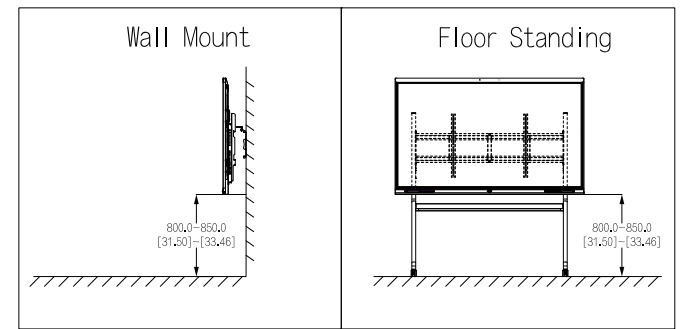
The DeepHub Lite for Edu series is ideal for use in classrooms and other indoor sites.

Technical Specification		Wireless Access Point		WIFI 5, 2.4 GHz/5 GHz; Supports enabling Hotspot and Wi-Fi at the same time
Built-in System		Touchscreen		
Operating System	Android 11	Touch Technology Type	Infrared touch technology	
CPU	Quad-core A55	Attachment Method	Zero Air Gap	
CPU Frequency	1.9 GHz	Response Time	≤10 ms	
GPU	ARM Mali-G52 MP2 (2EE)	Touch Points	Android: 32, Windows: 40	
RAM	8 GB (optional 4 GB)	Touch Accuracy	± 1 mm (over 90% Area)	
ROM	64 GB (optional 32 GB)	Valid Touch	2 mm	
LCD Panel		Touch Height	<2.5 mm	
Panel Dimensions	65 inch; 75 inch; 86 inch	Writing Mode	Finger + Pen (attaches magnetically)	
Backlight	DLED	Communication Mode	USB	
Aspect Ratio	16:09	Anti-light Interference	Anti-dazzle tempered glass	
Brightness	400 cd/m² (typ.)	Surface Hardness	8H	
Contrast	VA: 4000; IPS: 1200	Touch Resolution	32767 × 32767	
Resolution	3840 × 2160	Speaker		
Viewing Angle	178° (H) / 178° (V)	Built-in Speaker	2	
Lifespan	50,000 hours	Power	2.0 sound channel, front-end: 2 × 15 W	
Display Color	1.07 B	General		
Response Time	8 ms (typ.)	Power Supply	100–240 VAC, 50/60 Hz	
Refresh Rate	60 Hz	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.)	
Device Ports		Standby Power Consumption	≤0.5 W	
Light Sensor	Yes	Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)	
Front Button	8 buttons (power, home, menu, signal source, touch lock, curtain, volume, and annotation)	Storage Temperature	–10 °C to +50 °C (+14 °F to +122 °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)	Operating Humidity	10%–90% (RH)	
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	Storage Humidity	10%–90% (RH)	
Function		Product Material	Metal	
IR Receiver	Yes	Glass	4 mm Anti-dazzle tempered glass	
Bluetooth	Bluetooth 5.2	Casing Color (Frame/Rear)	Bottom/top: Silver; left/right: black; back: black	
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	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)	

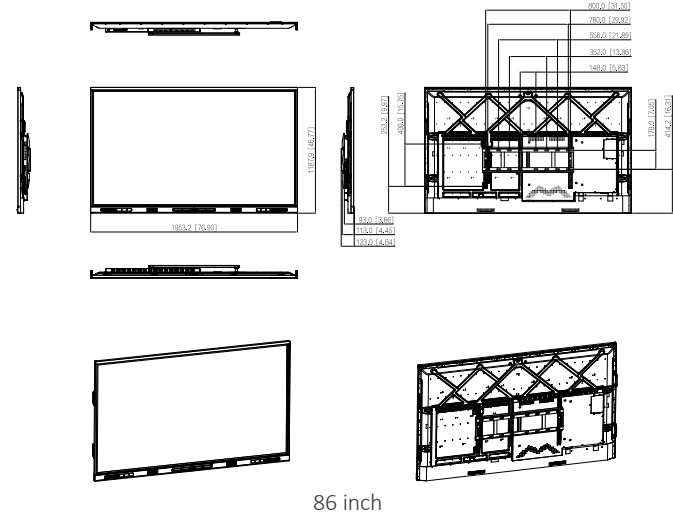
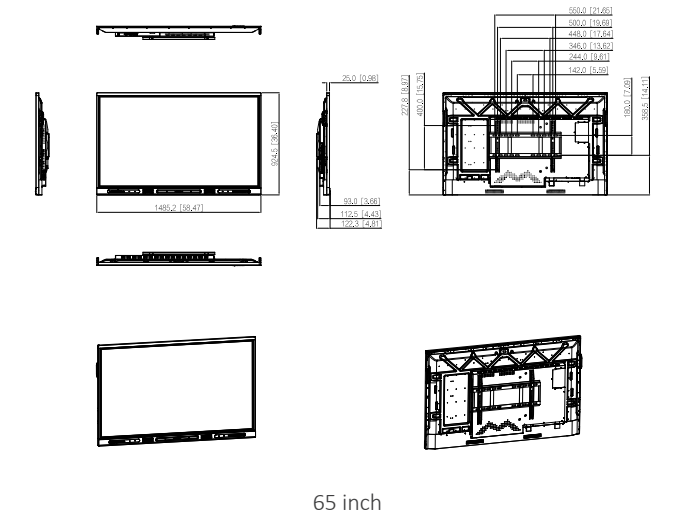
Holes Distance	65-inch: 500 mm × 400 mm (19.69" × 15.75") 75-inch: 600 mm × 400 mm (23.62" × 15.75") 86-inch: 800 mm × 400 mm (31.50" × 15.75")
Installation	Wall mount; mobile bracket
Packing List	Smart interactive whiteboard × 1 Power cord × 1 Passive stylus pen × 2 HDMI cable × 1 Quick start guide × 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



Installation



Dimensions (mm[inch])



Panels

