DHI-LPH65/75/86-ST420
65/75/86 inch Smart interactive whiteboard

- 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.

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.

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.
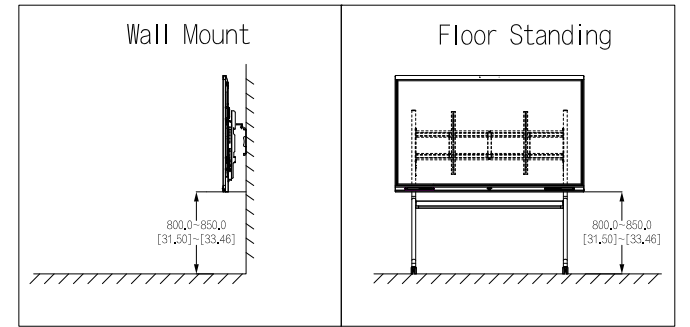
Scene

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

Technical Specification

Built-in System

Operating System	Android 11
CPU	Quad-core A55
CPU Frequency	1.9 GHz
GPU	ARM Mali-G52 MP2 (2EE)
RAM	8 GB (optional 4 GB)
ROM	64 GB (optional 32 GB)

LCD Panel

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

Device Ports

Wi-Fi	Yes
Wi-Fi Standard	Wi-Fi STATION 802.11b/g/n/a/ac; Wi-Fi AP 802.11b/g/n/a/ac
Wi-Fi Frequency Range	2400-2483.5 MHz, 5150-5350 MHz, 5470-5725 MHz, 5725-5850 MHz
Max Power Transmission (Wi-Fi)	CE EIRP: ≤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) BT5.2 (Bluetooth version)
Bluetooth Frequency Range	2400-2483.5 MHz
Max Power Transmission (Bluetooth)	CE EIRP: ≤20 dBm@2400-2483.5 MHz
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) 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) 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

Function

IR Receiver	Yes
Wireless Access Point	WIFI 5, 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 (over 90% Area)
Valid Touch	2 mm
Touch Height	<2.5 mm
Writing Mode	Finger + Pen (attaches magnetically)
Communication Mode	USB
Anti-light Interference	Anti-dazzle tempered glass
Surface Hardness	8H
Touch Resolution	32767 × 32767

Speaker

Built-in Speaker	2
Power	2.0 sound channel, front-end: 2 × 15 W

General

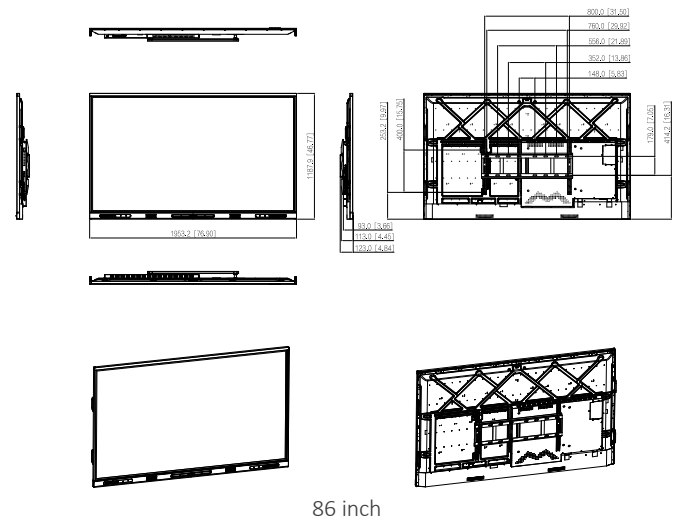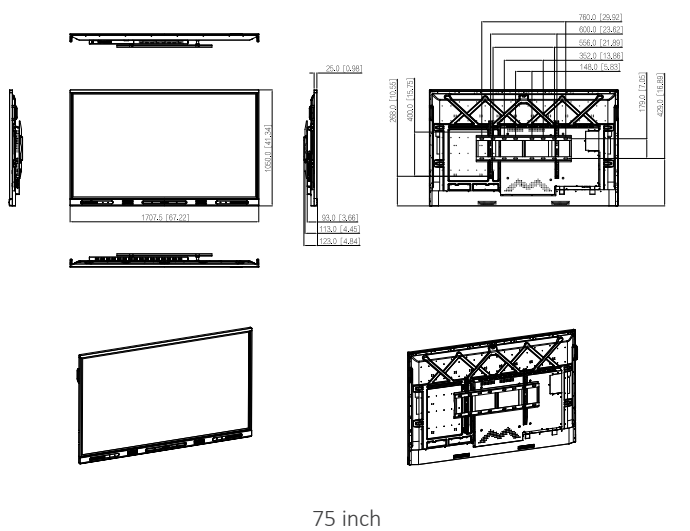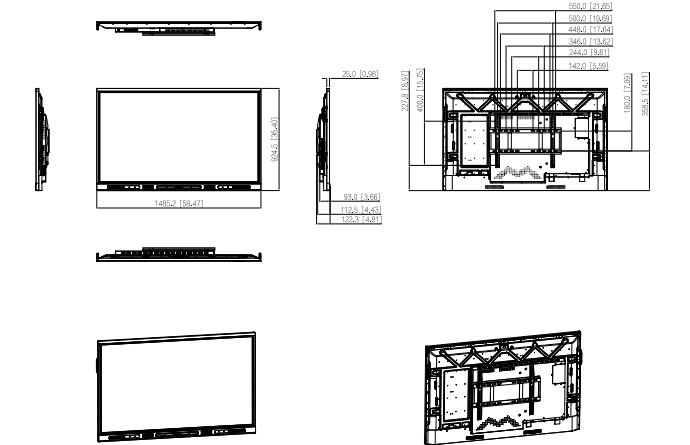|	
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	65-inch: 120 W (typ.); 200 W (max.) 75-inch: 150 W (typ.); 300 W (max.) 86-inch: 200 W (typ.); 400 W (max.)
Standby Power Consumption	≤0.5 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Temperature	−10 °C to +50 °C (+14 °F to +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: 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

75 inch

86 inch

Wall Mount / Floor Standing

Dimensions (mm[inch])

Panels

65 inch