

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/m ² (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

| | |
|--------------|--|
| 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 |
| Bluetooth | Bluetooth 5.2 |
| 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 |

| | |
|-----------------------|---|
| 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 |

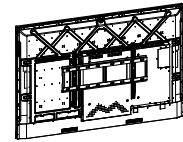
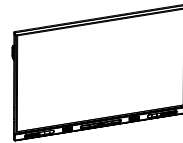
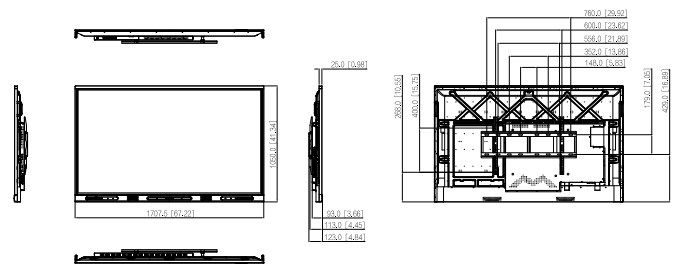
Speaker

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

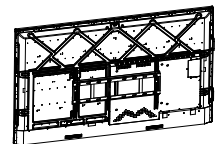
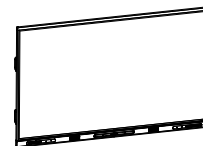
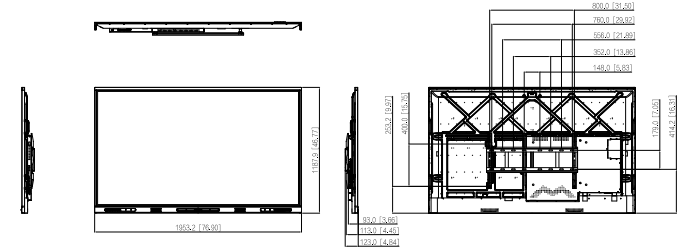
General

| | |
|---------------------------|--|
| 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 |

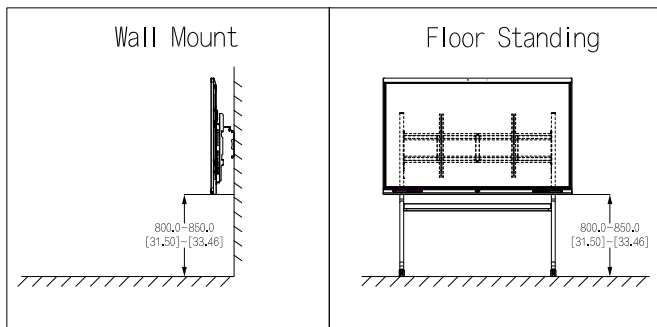


75 inch

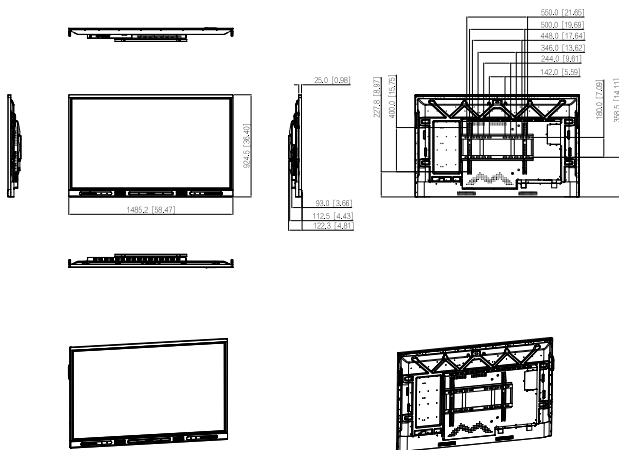


86 inch

Installation



Dimensions (mm[inch])



65 inch

Panels

