

# DHI-LPH86-ST473-P

86 inch Smart interactive whiteboard



## Series Overview

Dahua Capacitive Touch Panel effortlessly integrates multiple functions and has powerful processing capabilities with its octa-core CPU, 8 GB RAM, and 128 GB ROM capacity. With its stunning 4K HD display and precise capacitive touch capabilities, it offers wireless screen sharing, efficient file management, and seamless handwriting, making it an excellent choice for modern education and conferences.

## Functions

### 4K HD Display

With up to 3840 × 2160 resolution, the 4K HD display delivers a clear image in sharp, vivid colors.

### 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.

### File Management

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

### 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.

- Comes with a 4K HD display and uses zero-gap technology to present vivid and clear images.
- High sensitivity capacitive touch screen that ensures a smooth and responsive touch experience, while remaining unresponsive to non-conductive external objects.
- Adopts low blue light technology for hardware and software to protect your eyes.
- Performs screen mirroring on up to 9 split screens with one click on phones, computers tablets and more.
- Comes with drawing tools and handwriting recognition for a smooth writing experience.
- Comes with multiple ports and supports Wake on LAN. The front full-featured Type-C port supports 65 W charging.
- Comes with two built-in 20 W full-range speakers and one 20 W low-frequency speaker that supports stereo playback.
- Includes built-in 8 arrays microphone. When the device is combined with a USB camera, voice tracking and auto-framing become available.

### Text Recognition

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

### 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.

## Scene

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

Technical Specification

|                  |                               |
|------------------|-------------------------------|
| Built-in System  |                               |
| Operating System | Android 14                    |
| CPU              | Quad-core A73 + Quad-core A53 |
| CPU Frequency    | 2.2 GHz + 2.0 GHz             |
| GPU              | ARM Mali-G52 MP8 (8EE)        |
| RAM              | 8 GB                          |
| ROM              | 128 GB                        |

|                  |                                   |
|------------------|-----------------------------------|
| LCD Panel        |                                   |
| Panel Dimensions | 86 inch                           |
| Backlight        | DLED                              |
| Aspect Ratio     | 16:9                              |
| Brightness       | 400 cd/m² (typ.)                  |
| Static Contrast  | VA: 4000 (typ.), IPS: 1200 (typ.) |
| Resolution       | 3840 (H) × 2160 (V)               |
| Viewing Angle    | 178° (H)/178° (V)                 |
| Lifespan         | 50,000 hrs                        |
| Display Color    | 1.07G /10 bit (8 bit + FRC)       |
| Response Time    | 8 ms (typ.)                       |
| Refresh Rate     | 60 Hz                             |

|                 |   |
|-----------------|---|
| Camera          |   |
| Camera          | 48 MP (Optional)                                |
| Auto Control    | Auto whitebalance, voice tracking, auto framing |
| Distortion      | −8.6%   |
| Max. Resolution | 3840 (H) × 2160 (V)                             |
| Field of View   | H: 87°, V: 49°, D: 99°                          |

|              |   |
|--------------|---|
| Device Ports |   |
| Light Sensor | Yes   |
| Front Button | 1 × power supply button   |
| Front Ports  | 1 × Type C (4K@60 Hz, Touch, 65 W, Net);<br>2 × USB 3.0 Type A;<br>1 × USB 3.0 Type-B (Touch);<br>1 × HDMI In (4K@60 Hz);<br>1 × Mic In (3.5 mm port)   |
| Rear Port    | 1 × Type C (4K@60 Hz, Touch, 15 W);<br>1 × HDMI In (ARC) × 1 (4K@60 Hz);<br>1 × HDMI In (4K@60 Hz);<br>1 × VGA In (1080p@60 Hz);<br>1 × DP In (4K@60 Hz);<br>3 × USB 3.0 Type-B (Touch);<br>1 × HDMI Out;<br>2 × USB 3.0 Type A;<br>1 × USB 2.0 Type A;<br>1 × Micro USB;<br>1 × RS-232;<br>1 × RJ-45 In (WOL);<br>1 × RJ-45 Out; |

|                                    |   |
|------------------------------------|---|
|                                    | 1 × Audio In (3.5 mm port, used to play sound with VGA);<br>1 × Audio Out (3.5 mm port);<br>1 × SPDIF Out (Optical port);<br>1 × OPS slot   |
| Wi-Fi                              | Yes   |
| Wi-Fi Standard                     | Wi-Fi Station 802.11b/g/n/a/ac/ax<br>Wi-Fi AP 802.11b/g/n/a/ac/ax   |
| Wi-Fi Frequency Range              | 2400–2483.5 MHz, 5150-5350 MHz, 5470–5725 MHz, 5725–5850 MHz  |
| MAX Power Transmission (Wi-Fi)     | CE EIRP:<br>≤20 dBm@2400–2483.5 MHz;<br>≤23 dBm@5150–5250 MHz;<br>≤20 dBm@5250–5350 MHz;<br>≤27 dBm@5470–5725 MHz;<br>≤14 dBm@5725–5850 MHz |
| Bluetooth                          | Yes   |
| Bluetooth Standard                 | BR/EDR/BLE (Bluetooth mode)<br>BT5.2 (Bluetooth version )   |
| Bluetooth Frequency Range          | 2400–2483.5M Hz   |
| MAX Power Transmission (Bluetooth) | CE EIRP:<br>≤20 dBm@2400–2483.5 MHz   |
| RFID Modulation Method             | ASK   |
| RFID Frequency Range               | 13.56 MHz   |
| MAX Power Transmission (RFID)      | CE:<br>13.56 MHz: 42dBuA/m @10 m  |

|                       |  |
|-----------------------|--|
| Function              |  |
| IR Receiver           | 1  |
| Card Swiping with NFC | Yes  |
| Wireless Access Point | WIFI 6, 2.4 GHz/5 GHz ; Supports enabling Hotspot and Wi-Fi at the same time |

|                         |   |
|-------------------------|---|
| Touchscreen             |   |
| Touch Technology        | Capacitive                                      |
| Attachment Method       | Zero Air Gap                                    |
| Response Time           | 8 ms (typ.)                                     |
| Touch Points            | 32 points for Android and 40 points for Windows |
| Touch Accuracy          | ± 2 mm (over 90% area)                          |
| 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 full-range speakers and 1 low-frequency speaker<br>The power of a single speaker is not less than 20W |
| Power            | 2.1 sound channel, front-end: 2 × 20 W and back-end: 20 W   |
| Frequency        | 20 Hz–20 kHz  |

Capacitive Touch Panel | DHI-LPH86-ST473-P

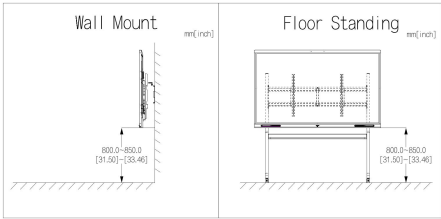
|                             |                                     |
|-----------------------------|-------------------------------------|
| Microphone                  |                                     |
| Microphone                  | 8 arrays                            |
| Pick-up Distance            | 6 m-10 m (19.69 ft-32.81 ft) pickup |
| AGC                         | Yes                                 |
| Echo Cancellation           | Yes                                 |
| Polar Pattern               | Omnidirectional                     |
| Intelligent Noise Filtering | Yes                                 |

|                           |  |
|---------------------------|--|
| General                   |  |
| Power Supply              | 100–240 VAC, 50/60 Hz  |
| Power Consumption         | 250 W (basic); 450 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                     | 3.2 mm Anti-dazzle tempered glass  |
| Casing Color (Frame/Rear) | Frame: Black for left and right, top and bottom as well as back cover  |
| Product Dimensions        | 1,953.4 mm × 142.9 mm × 1,176.2 mm (76.91" × 5.63" × 46.31") (L × W × H)   |
| Packaging Dimensions      | 2,044 mm × 200 mm × 1280 mm (80.47" × 7.87" × 50.39") (L × W × H)  |
| Net Weight                | 60 kg (132.28 lb)  |
| Gross Weight              | 73.5 kg (162.04 lb)  |
| Holes Distance            | 800 mm × 600 mm (31.50" × 23.62")  |
| Installation              | Wall mount, mobile bracket   |
| Packing List              | 1 × Power Cord;<br>2 × Passive Writing Pen;<br>1 × HDMI Cable;<br>1 × Quick Start Guide;<br>Wall-mounted bracket installed on the whiteboard;<br>1 × Accessory Package;<br>1 × Remote Control;<br>1 × Legal and Regulatory Information |

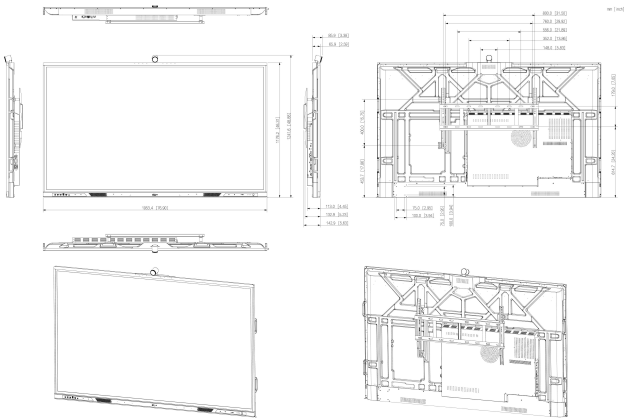
|                |  |
|----------------|--|
| Certification  |  |
| Certifications | CB, CE, Energy Star, ROHS, REACH, WEEE |

|                              |                   |                                      |
|------------------------------|-------------------|--------------------------------------|
| Ordering Information         |                   |                                      |
| Type                         | Model             | Description                          |
| Smart interactive whiteboard | DHI-LPH86-ST473-P | 86 inch Smart interactive whiteboard |

Installation



Dimensions (mm[inch])



Panels

