

# DHI-LPH65-MC480-U

Smart interactive whiteboard



## Series Overview

Dahua DeepHub Ultimate Smart Interactive Whiteboard has powerful processing capabilities with its built-in 8-core CPU, 4-core GPU, 8 GB RAM, 128 GB storage, and Android 13 operating system with EDLA. With a high-precision infrared touch sensor and a 4K DLED display, this interactive whiteboard will give you an extraordinary experience whether you are writing, controlling or displaying content. It features video conferencing, wireless screen sharing, UHD display, scan and go, and more. Let this whiteboard be your go-to choice to digitalize your office and classrooms.

## 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.

- Displays in 4K Ultra HD and uses 4K UI.
- Features split screen, and performs screen sharing between the whiteboard and phones, computers, tablets and more devices.
- Microsoft Office and other related software can be installed, and it can play audio and video files in various formats.
- Offers a smooth writing experience through handwriting recognition, pen writing, the fast writing response speed, and pen pressure recognition for a real writing experience.
- Intelligent text.
- Intelligent pen detection that automatically wakes up the whiteboard for annotations when the pen is lifted. Built-in 48M camera 8-array microphone design.
- Features sound source positioning.
- Offers NFC.
- Includes a full-featured Type-C IN port and supports charging through USB PD up to 100 W.
- With its 2 built-in mid-high frequency speakers, and 2 low-frequency speakers, the device emits sound from its top and supports 2.2-channel audio output.
- Produces vibrant visuals through its high color coverage, low blue light emission, and accurate color reproduction.
- Optional OPS module, dual-system switchable

### 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.

Technical Specification

|                  |                               |
|------------------|-------------------------------|
| Built-in System  |                               |
| Main Processor   | RK3588                        |
| Operating System | Android 13.0                  |
| CPU              | Quad-core A76 + Quad-core A55 |
| CPU Frequency    | 2.4 GHz                       |
| GPU              | Mali-G610 MP4                 |
| RAM              | 8 GB                          |
| ROM              | 128 GB                        |

|                  |                                         |
|------------------|-----------------------------------------|
| LCD Panel        |                                         |
| Panel Dimensions | 65 inch                                 |
| Backlight        | DLED                                    |
| Aspect Ratio     | 16: 9                                   |
| Brightness       | 400 cd/m² (typ.)                        |
| Static Contrast  | VA: 5000: 1 (typ.); IPS: 1200: 1 (typ.) |
| Resolution       | 3,840 (H) × 2,160 (V)                   |
| Viewing Angle    | 178° (H)/178° (V)                       |
| Lifespan         | ≥50,000 hrs                             |
| Display Color    | 1.07 Billion (10 bits)                  |
| Response Time    | 6.5 ms                                  |
| Refresh Rate     | 60 Hz                                   |

|               |                 |
|---------------|-----------------|
| Camera        |                 |
| Camera        | 48 MP           |
| Field of View | H: 98°; D: 106° |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Ports |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Light Sensor | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Front Button | 6 buttons: Power supply, menu, signal source, curtain, volume and annotation                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Front Ports  | 2 × USB 3.0 Type-A;<br>1 × HDMI IN;<br>1 × USB Type-C IN (100 W fast charge, data transmission, local area network);<br>1 × Touch USB2.0 Type-B;                                                                                                                                                                                                                                                                                                                                                                               |
| Rear Port    | 3 × HDMI IN (4K@60 Hz);<br>1 × HDMI OUT (4K@60 Hz);<br>1 × DP IN; 1 × USB 2.0 Type-A;<br>2 × USB 3.0 Type-A;<br>1× USB Type-C IN port with 15 W max charge that receives input for audio, videos, data, and network sharing;<br>1 × USB Type-C OUT (4K@60 Hz);<br>2 × TOUCH USB 2.0 Type-B ports which support touch and wired network sharing of 100 Mbps;<br>1 × AUDIO IN (3.5 mm port); 1 × AUDIO OUT (3.5 mm port);<br>1 × SPDIF;<br>1 × RS232;<br>1 × RJ45 IN (10/100/1,000 Mbps);<br>1 × RJ45 OUT (10/100/1,000 Mbps ) ; |

|                                    |                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                 |
| Wi-Fi Frequency Range              | 2400–2483.5 MHz;<br>5150–5250 MHz;<br>5250–5350 MHz;<br>5470–5725 MHz;<br>5725–5850 MHz;                                         |
| MAX Power Transmission (Wi-Fi)     | ≤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                 | BT5.2 BR/EDR/BLE                                                                                                                 |
| Bluetooth Frequency Range          | ≤20 dBm@2400–2483.5 MHz                                                                                                          |
| MAX Power Transmission (Bluetooth) | ≤20 dBm                                                                                                                          |
| RFID Modulation Method             | ASK                                                                                                                              |
| RFID Frequency Range               | 13.56 MHz                                                                                                                        |
| MAX Power Transmission (RFID)      | 13.56 MHz;≤42dBuA/m @10 m                                                                                                        |

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Function              |                                                   |
| IR Receiver           | 1                                                 |
| Card Swiping with NFC | Yes                                               |
| Wireless Access Point | Wi-Fi 5, 2.4 GHz and 5 GHz dual band, 802.11 ac/n |

|                         |                                     |
|-------------------------|-------------------------------------|
| Touchscreen             |                                     |
| Touch Technology        | Infrared                            |
| Attachment Method       | Zero Air Gap                        |
| Response Time           | ≤2.5 ms                             |
| Touch Points            | Android:16 points;Windows:50 points |
| Touch Accuracy          | ±1.5                                |
| Valid Touch             | 2 mm                                |
| Touch Height            | 2 mm                                |
| Writing Mode            | Finger and stylus pen (magnetic)    |
| Communication Mode      | USB                                 |
| Anti-light Interference | Anti-glare tempered glass           |
| Surface Hardness        | ≥9H                                 |
| Touch Resolution        | 32,768 × 32,768                     |

|                  |                    |
|------------------|--------------------|
| Speaker          |                    |
| Built-in Speaker | 4 (CH2.2 )         |
| Power            | 2 × 8 W + 2 × 18 W |
| Frequency        | 150 Hz–20 kHz      |

|            |   |
|------------|---|
| Microphone |   |
| Microphone | 8 |

|                             |                          |
|-----------------------------|--------------------------|
| Pick-up Distance            | 0 m–12 m (0 ft–39.37 ft) |
| AGC                         | Yes                      |
| Echo Cancellation           | Yes                      |
| Intelligent Noise Filtering | Yes                      |

General

|                           |                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply              | 100–240 VAC, 50/60 Hz, 4.5 A                                                                                                                          |
| Power Consumption         | 450 W (typ.)                                                                                                                                          |
| Standby Power Consumption | ≤0.5 W                                                                                                                                                |
| Operating Temperature     | 0 °C to +40 °C (+32 °F to +104 °F)                                                                                                                    |
| Storage Temperature       | –20 °C to +60 °C (–4 °F to +140 °F)                                                                                                                   |
| Operating Humidity        | 10%–90% (RH)                                                                                                                                          |
| Storage Humidity          | 10%–90% (RH)                                                                                                                                          |
| Product Material          | Metal                                                                                                                                                 |
| Glass                     | 3.2 mm anti-glare tempered glass                                                                                                                      |
| Casing Color (Frame/Rear) | Black                                                                                                                                                 |
| Product Dimensions        | 1,488.4 mm × 915.3 mm × 86.2 mm (58.60" × 36.04" × 3.39")                                                                                             |
| Frame Size                | U: 33.3 mm, L/R: 14.6 mm, D: 43.0 mm (U: 2.42", L/R: 0.69", D: 1.11")                                                                                 |
| Packaging Dimensions      | 1,628.0 mm × 208.0 mm × 1,014.0 mm (64.09" × 8.19" × 39.92")                                                                                          |
| Net Weight                | 36.55 kg (80.58 lb)                                                                                                                                   |
| Gross Weight              | 46.5 kg (102.52 lb)                                                                                                                                   |
| Holes Distance            | 600 mm × 400 mm (23.62" × 15.75")                                                                                                                     |
| Installation              | Wall mount or mobile bracket                                                                                                                          |
| Packing List              | power cord × 1<br>Smart interactive whiteboard × 1<br>Stylus pen × 2<br>Wall mount bracket × 1<br>remote control × 1<br>Pack of wall mount screws × 1 |

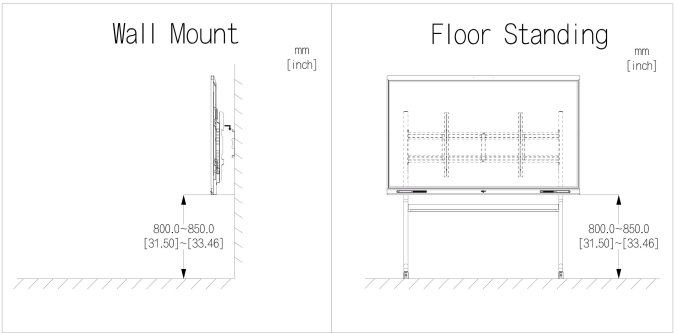
Certification

|                |                       |
|----------------|-----------------------|
| Certifications | CE, EDLA, Energy Star |
|----------------|-----------------------|

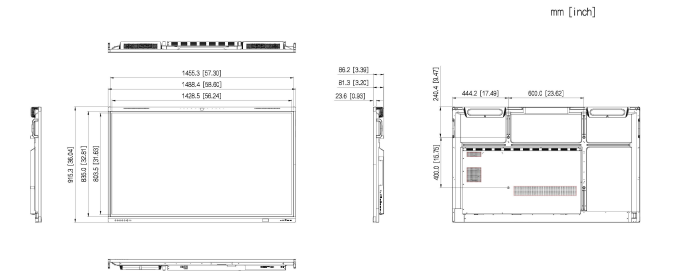
Ordering Information

| Type                         | Model             | Description                  |
|------------------------------|-------------------|------------------------------|
| Smart interactive whiteboard | DHI-LPH65-MC480-U | Smart interactive whiteboard |

Installation



Dimensions (mm[inch])



Panels

