

DHI-LPH65/75/86/98-MC470-P

65/75/86/98" DeepHub Pro Smart Interactive Whiteboard



- Equipped with Zero Air Gap technology, the 65, 75 and 86 inch 4K DLED display delivers clear images in sharp and vivid colors. The 98-inch display uses full lamination technology.
- Built-in AI 4K camera and 8 array microphone that produces excellent quality visual and audio communication.
- Wireless screen sharing from multiple devices with an intuitive, easy-to-use system.
- Ultra-smooth writing experience with handwriting recognition.
- Quick file sharing by scanning a QR code, with easy file encryption for added privacy and security.
- Optional OPS module, dual-system switchable.
- Fingerprint lock for protection of user information.

System Overview

Dahua DeepHub Pro Smart Interactive Whiteboard is a new generation of smart interactive whiteboards that have a high performance main controller and multiple intelligent functions. It adopts direct-type LED backlight technology and has a 4K LED display that is built of anti-dazzle tempered glass with a hardness of 7 on the Mohs scale. The display comes in 65", 75", 86" and 98". This ultra-thin whiteboard supports up to 20 multi-user writing points and is equipped with a 48 MP motorized lens, speakers, 8 microphone arrays, and is touchscreen. It offers various functions such as video conferencing, writing on the whiteboard, wireless screen sharing and allows you to scan codes to access content on the whiteboard.

Functions

4K Camera with Ultra-wide FOV

8-MP with a maximum resolution of 4K@30 fps. It supports live videos and has an ultra-wide field of view (diagonal 99°, horizontal 87°, and vertical 49°), displaying vivid images even when placed in relatively large meeting rooms.

AI Recognition of Drawings

Identifies hand-drawn structures such as straight lines, dotted lines, arrow-straight lines, arrow-dotted lines, triangles, parallelograms, trapezoids, rectangles, circles, pentagons, cylinders, pentagrams, semicircles, and rounded rectangles.

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.

Non-contact Motion-controlled System

Recognizes various types of body movements, such as grabbing, up, down, left and right motions, to interact with elements on the screen without touching the screen. You can motion to turn pages, scroll in different directions in a document, and take screenshots.

Screen Sharing

The content on your screen can be freely shared with one other device through a wired connection.

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.

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.

Strong Security System

Designed with a strong security system, the device features digital password, gesture password and fingerprint password for added protection. These unlock methods can all be applied to USB permissions, the lock screen, touch lock and the factory restore settings. Up to 100 fingerprint passwords can be set, and the false acceptance rate is less than 0.001%.

Technical Specification

Built-in System

| | |
|------------------|------------------------------------|
| CPU Frequency | 2.2 GHz + 2.0 GHz |
| GPU | ARM Mali-G52 MP8 (8EE) |
| Operating System | Android 11.0 |
| CPU | Quad-core A73 + Quad-core A53 |
| RAM | 12 GB (System: 8 GB, Camera: 4 GB) |
| ROM | 64 GB |

Function

| | |
|-------------------------------------|---|
| Operating System of External Module | Windows 7/8/10; Android |
| WiFi | Dual-band 2.4 G/5 G; supports 802.11 a/b/g/n/ac wireless frequency range |
| Wi-Fi Hotspot | Dual-band 2.4 G/5 G; supports enabling Hotspot and Wi-Fi at the same time |

LCD Panel

| | |
|------------------|---|
| Response Time | 8ms (typ.) |
| Panel Dimensions | 65-inch; 75-inch; 86-inch; 98-inch |
| Backlight | DLED |
| Aspect Ratio | 16:9 |
| Brightness | 65-inch: 350 cd/m ² ; 75-inch: 350 cd/m ² ; 86-inch: 400 cd/m ² ; 98-inch: 400 cd/m ² |
| Resolution | 3840 (H) × 2160 (V) |
| Viewing Angle | H: 178°; V: 178° |
| Lifespan | 50,000 h |
| Display Color | 1.07 B/10 bit (8 bit + FRC) |
| Refresh Rate | 60 Hz |
| Static Contrast | VA: 4000 (typ.); IPS: 1200 (typ.) |

Camera

| | |
|-----------------|-------------------------------|
| Pixel | 48 MP |
| Auto Control | Auto flip; Auto white balance |
| Distortion | -8.6% |
| Max. Resolution | 3840 × 2160@30 fps |
| Storage | 8 GB eMMC |
| Field of View | H: 87°; V: 49°; D: 99° |
| Face Detection | Yes |

Device Ports

| | |
|--------------|-------------------------------|
| Light Sensor | 1 |
| Front Button | 1 × power button (right side) |
| Front Ports | 1 × USB 3.0 (left side) |
| Network Port | 1 × RJ-45 |
| Wi-Fi | 1 × Wi-Fi; 1 × Hotspot |

| | |
|--------------|----------------------------|
| USB | 3 × USB 3.0; 1 × Micro USB |
| RS-232 | 1 × RS-232 |
| Video Input | 1 × HDMI IN |
| Video Output | 1 × HDMI OUT |
| Audio Output | 1 × 3.5 mm (Line OUT) port |
| Others | 1 × Touch |
| IrDA | 1 |
| Microphone | 8 Array |
| Type-C Port | 1 × Type-C |

Touchscreen

| | |
|-------------------------------------|---|
| Touch Technology Type | Infrared touch technology |
| Response Time | < 10 ms |
| Touch Points | Supports 20 touch points and drawing up to 20 lines |
| Valid Touch | 2 mm |
| touch accuracy | ± 1 mm |
| Writing Mode | Finger + Pen (attaches magnetically) |
| Anti-light Interference | Anti-dazzle tempered glass |
| Surface Hardness | 7 on the Mohs scale |
| Touch Resolution | 32767 × 32767 |
| Number of Multi-user Writing Points | 10 |

Speaker

| | |
|------------------|-----------------|
| Frequency | 150 Hz–20 kHz |
| Power | 15 W × 3 (Max.) |
| Built-in Speaker | 3 |

Fingerprint

| | |
|------------------------|-----------|
| Fingerprint Capacity | 100 |
| Fingerprint Resolution | 160 × 160 |
| FAR | 0.001% |

Microphone

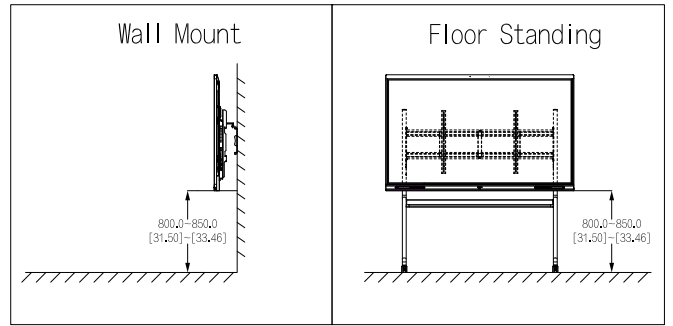
| | |
|-----------------------------|---|
| Pick-up Distance | Far-field sound pickup: 6 m–8 m (19.69 ft–26.25 ft) |
| Number of Microphones | 8 |
| AGC | Yes |
| Echo Cancellation | Yes |
| Polar Pattern | Omnidirectional |
| Intelligent Noise Filtering | Yes |

General

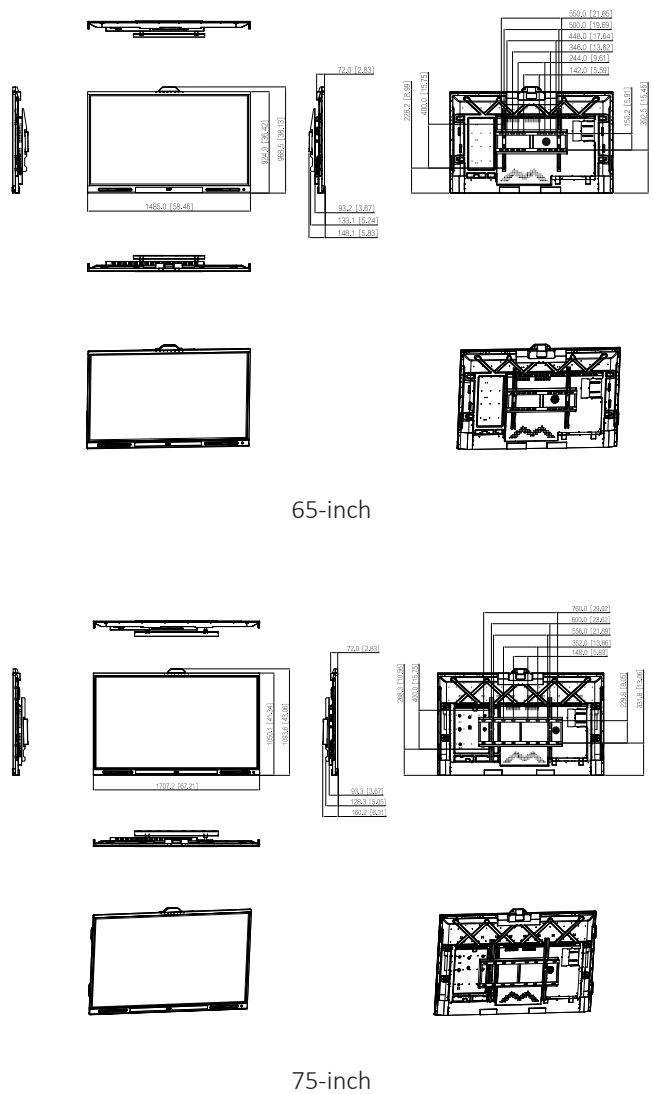
| | |
|-------------------|---|
| Power Supply | 100–240 VAC, 50/60 Hz |
| Power Consumption | 65-inch: 120 W (typ.); 200 W (max.); 75-inch: 160 W (typ.); 300 W (max.); 86-inch: 160 W (typ.); 400 W (max.); 98-inch: 270 W (typ.); 600 W (max.) |

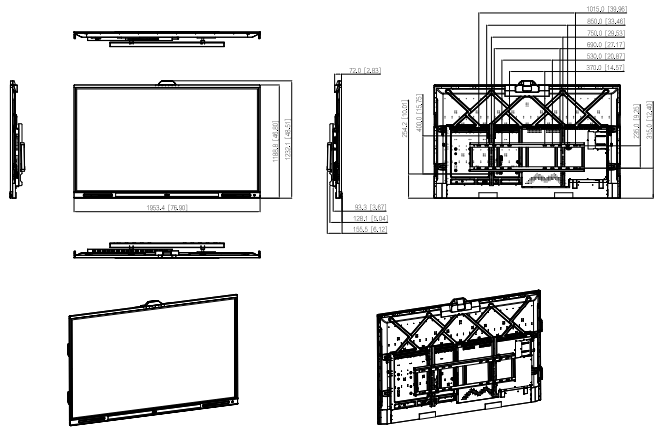
| | |
|---------------------------|--|
| Operating Temperature | 0 °C to +40 °C (+32 °F to +104 °F) |
| Storage Temperature | -10 °C to +50 °C (+14 °F to +122 °F) |
| Operating Humidity | 10%–90% |
| Storage Humidity | 10%–90% |
| Product Material | Metal casing |
| Protective Glass | Anti-dazzle tempered glass with a hardness of 7 on the Mohs scale |
| Casing Color (Frame/Rear) | Bottom/top: Silver; left/right: black |
| Product Dimensions | 65-inch: 1,485 mm x 967.8 mm x 93.3 mm (58.46" x 38.10" x 3.67") 75-inch: 1,707.2 mm x 1,094.47 mm x 93.3 mm (67.21" x 43.09" x 3.67") 86-inch: 1,953.2 mm x 1,232.7 mm x 93.3 mm (76.90" x 48.53" x 3.67") 98-inch: 2,216.4 mm x 1,381.7 mm x 109.6 mm (87.26" x 54.40" x 4.31") |
| Packaging Dimensions | carton: 65-inch: 1,587 mm x 1,055 mm x 260 mm (62.48" x 41.53" x 10.24") 75-inch: 1,810 mm x 1,150 mm x 260 mm (71.26" x 45.28" x 10.24") 86-inch: 2,055 mm x 1,325 mm x 260 mm (80.91" x 52.17" x 10.24") 98-inch: 2,337 mm x 1,470 mm x 255 mm (92.01" x 57.87" x 10.04") pallet: 65-inch: 1,620 mm x 1,060 mm x 120 mm (63.78" x 41.73" x 4.72") 75-inch: 1,830 mm x 1,060 mm x 120 mm (72.05" x 41.73" x 4.72") 86-inch: 2,100 mm x 1,060 mm x 120 mm (82.68" x 41.73" x 4.72") 98-inch: 2,340 mm x 1,040 mm x 155 mm (92.13" x 40.94" x 6.10") |
| Net Weight | 65-inch: 40 kg (88.18 lb) 75-inch: 54 kg (119.05 lb) 86-inch: 67 kg (147.71 lb) 98-inch: 91 kg (200.62 lb) |
| Gross Weight | 65-inch: 50 kg (110.23 lb) 75-inch: 65 kg (143.30 lb) 86-inch: 80 kg (176.37 lb) 98-inch: 107 kg (235.89 lb) |
| Holes Distance | 65-inch: 500 mm x 400 mm (19.69" x 15.75") 75-inch: 600 mm x 400 mm (23.62" x 15.75") 86-inch: 800 mm x 400 mm (31.50" x 15.75") 98-inch: 1000 mm x 400 mm (39.37" x 15.75") |
| Installation | Wall mount; mobile bracket |
| Standby Power Consumption | ≤ 0.5 W |
| Packing List | Smart interactive whiteboard x 1 Power cord x 3 Stylus pen x 2 Quick start guide x 1 Wall mount bracket (already installed on the whiteboard): x 1 Accessory package x 1 Remote control x 1 |
| Certifications | ENERGY STAR (except 98-inch model); CB; CE |

Installation

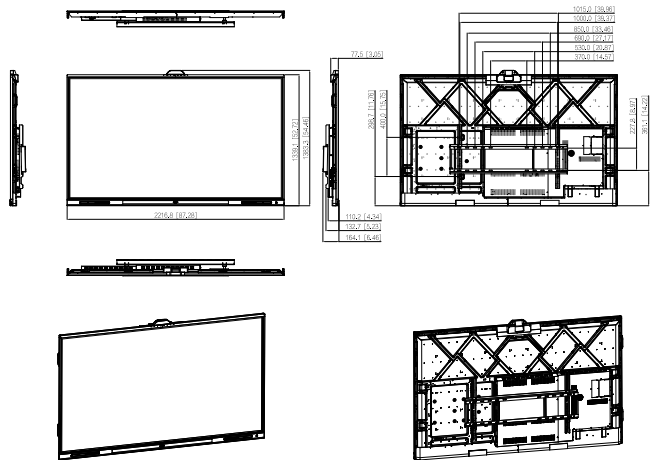


Dimensions (mm[inch])





86-inch



98-inch

Panels

