

DHI-LPH65-MC420-C

65 inch Smart interactive whiteboard



Series Overview

Dahua DeepHub Classic 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", and 86". This ultrathin whiteboard supports up to 20 multi-user writing points and is equipped with a 48 MP 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 HD Display

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

Al Recognition of Drawings

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

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.

- Built-in Deephub Meeting software that offers online conferences and customizable support for real-time collaboration.
- · Displays in 4K Ultra HD and uses 4K UI.
- With its 2 built-in mid-high frequency speakers, the device supports
 2.0-channel audio output, and its total power is 40 W.
- Produces vibrant visuals through its NTSC High Gamut Screen that
 offers wide color coverage up to 90% and its advanced technology
 that produces accurate color reproduction of ΔE≤1.5.
- 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, its fast writing response speed, and pen pressure recognition.
- · Support AI recognition of text and drawings.
- Intelligent pen detection that automatically wakes up the whiteboard for annotations when the pen is lifted.
- Built-in 8 array microphone and AI 48M camera that supports 9× zoom, produces high-quality visuals and audio communication, and supports auto-framing and voice tracking.
- Seamlessly calls the camera and microphone of the whiteboard through its Type-C IN port and screen projector.
- · Supports unlocking through NFC.
- · Includes a full-featured Type-C IN port.

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.

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.

Screen Sharing

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

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.

Built-in System Operating System Android 11.0 (Can be upgraded over-the-air [OTA] to Android 14.0 version). 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 64 GB Card Swiping with NFC Yes, supports binding up to 10 cards. Function Operating System of External Module Wi-Fi Hotspot Wi-Fi Hotspot Wi-Fi at the same time LCD Panel Panel Dimensions 65 inch Backlight DLED Aspect Ratio 16-9 Brightness 350 cd/m² (typ.) Resolution 3840 (H) × 2160 (V) Viewing Angle H: 178°; V: 178° Lifespan 250, 000 hrs Display Color 90% NTSC (typ.) Refresh Rate 60 Hz Static Contrast VA. 4000 (typ.); IPS: 1200 (typ.) Response Time 8 ms (typ.) Camera 48 MP Auto Control Auto white balance Distortion -8.6% Max. Resolution 3840 (H) × 2160 (V) Field of View D: 99°; H: 87°; V: 49° Face Detection Yes Digital Zoom Yes , supports up to 9x zoom. Device POrts Light Sensor 1 Front Button 1 × power button Front Ports 1 × TYPE-C, 1 × HDMI IN, 2 × USB 3.0 Network Port 2 × RJ. 45 Wi-Fi Standard Station: 802.11b/de/n/s/ac/ax Station: 802.11b/de/n/s/ac/ax	Technical Specificati	on	
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VVI-FI YES, 1 × Station, 1 × AP	Network Port	2 × RJ-45	Power
	Wi-Fi	Yes, 1 × Station, 1 × AP	Built-in Speaker
	Wi-Fi Standard	Station: 802.11b/g/n/a/ac/ax	

Microphone

Pick-up Distance	Long-range sound pickup: 8 m-12 m (26.25 ft-39.37 ft)
Number of Microphones	8 arrays
AGC	Yes
Echo Cancellation	Yes
Polar Pattern	Omnidirectional
Intelligent Noise Filtering	YES

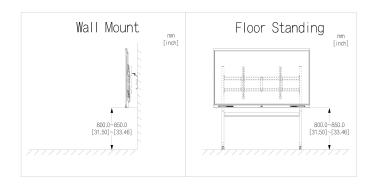
General

Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	220 W (basic), 300 W (max)
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), non-condensing
Storage Humidity	10%–90% (RH), non-condensing
Product Material	Metal casing
Protective Glass	3.2 mm Anti-dazzle tempered glass
Casing Color (Frame/Rear)	The left and right sides are black, and the top and bottom are starry gray.
Product Dimensions	1,485.5 mm × 87 mm × 942 mm (58.48" × 3.43" × 37.09") (L × W × H)
Frame Size	Top border: 40.9 mm (1.61"), left and right borders: 17.5 mm (0.69"), bottom border: 65.3 mm (2.57")
Packaging Dimensions	1,623 mm × 227 mm × 1,068 mm (63.90" × 8.94" × 42.05") (L × W × H)
Net Weight	41 kg (90.39 lb)
Gross Weight	59.6 kg (131.40 lb)
Holes Distance	500 mm × 400 mm (19.69" × 15.75")
Installation	Wall mount; mobile bracket
Standby Power Consumption	≤0.5 W
Packing List	1 × Smart interactive whiteboard 1 × Wireless plug-in module 1 × Power cord 2 × Stylus pen 1 × Quick start guide 1 × Legal and regulatory information 1 × Wall mount bracket 1 × Accessory package 1 × Remote control
Glass Thickness	3.2 mm

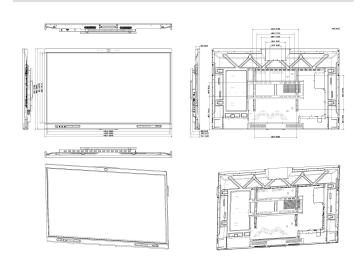
Ordering Information

Туре	Model	Description
Smart interactive whiteboard	DHI-LPH65-MC420-C	65 inch Smart interactive whiteboard

Installation



Dimensions (mm[inch])



Panels

