



Building a Fully Connected, Intelligent World

HUAWEI **IdeaHub ES2 Plus**

Intelligent Evolution, Limitless Collaboration

Galileo's eyes | Dual mirroring and control | BYOM



HUAWEI IdeaHub ES2 Plus

Equipped with a next-generation hardware platform, HUAWEI IdeaHub ES2 Plus provides features such as Galileo's eyes, dual mirroring and control, and BYOM. With upgraded HD audiovisual and AI capabilities, the product breaks the boundaries of communication and collaboration, making it an optimal tool for smart office in a range of scenarios, such as executive offices and meeting rooms.



Smart Office Scenarios



Manager's office

Professional video meeting | Dual mirroring and control | BYOM



Executive meeting room

1080p cloud meeting | Dual mirroring and control | Intelligent tracking



VIP reception room

VIP reception | Local office | Business discussion



Multimedia studio

Screen extension | Intelligent writing | Remote communication

Galileo's Eyes

Galileo's eyes is an intelligent triple-lens camera featuring HD lenses, boasting low-noise micro PTZ, and imperceptible lens rotation, to deliver clearer and more accurate images for an immersive meeting experience.

- **Industry's first intelligent triple-lens camera**

- 3x optical zoom and 6x hybrid zoom
- Industrial-grade sensor, $4\ \mu\text{m}^2/\text{pixel}$, delivering clearer images
- Glass-plastic full-color lenses, no overheating or color cast even after prolonged use

- **Ultra-high precision micro PTZ**

- Zero loss upon millions of rotations, highly stable and reliable
- 0.5° ultra-high precision, noiseless rotation



Intelligent tracking

The wide-angle and long-focus lenses work together to identify and zoom in on speakers within 8 meters, ensuring that they occupy 60% of the screen.



Long-distance tracking

Intelligent panoramic view

Automatically adjust the image based on the number of participants to provide an optimal view



With Auto-Framing

Intelligent lens rotation

- Industry-first imperceptible lens rotation, focusing on the speaker quickly and accurately
- No motion blur or smearing during camera movements

Two-person conversation on the same screen

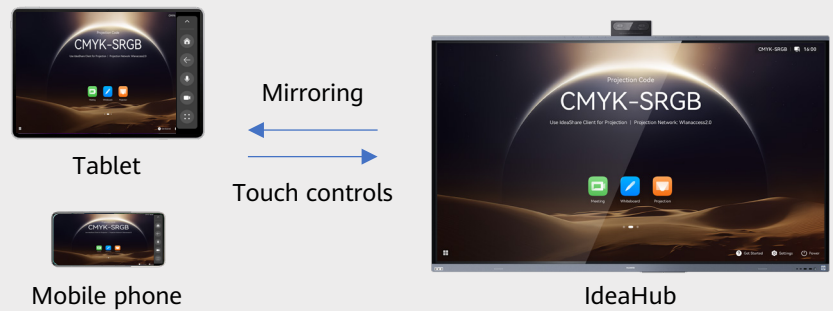
Intelligent sound source localization
Display two speakers at the same time



Dual mirroring and control

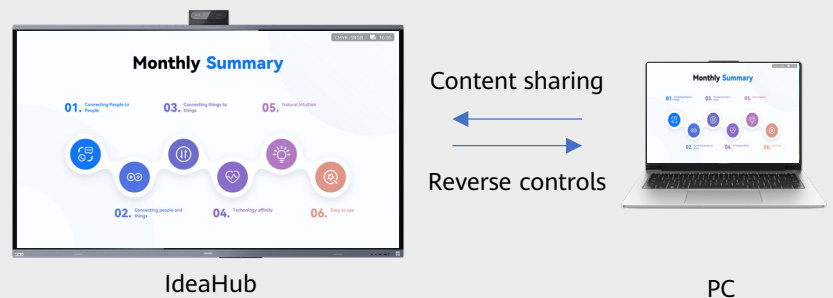
Control large screen on small screen

- **Freely view or zoom in/out** on IdeaHub's content on the small screen.
- **Remotely control IdeaHub** on the small screen, such as control meetings, write on the whiteboard, or open apps.
- **Connect multiple terminals** simultaneously, such as mobile phones or tablets.



Control small screen on large screen

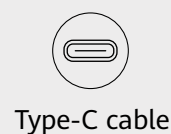
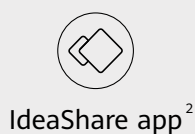
- You can share content from the small screen to the IdeaHub and control the small screen on the IdeaHub, such as switch between pages and make annotations.



Wi-Fi Direct projection, simpler than ever

Just enable Wi-Fi on your IdeaHub and PC/mobile phone, you can initiate a 4K projection through IdeaShare app. There is no need to enter a password or connect to the network, thanks to the innovative Wi-Fi Direct projection technology.

• Various projection methods



Smoother and smarter handwriting



16 ms ultra-low writing latency

Writing on a digital screen has never been so smooth, thanks to a cutting-edge AI handwriting prediction algorithm



Feels so write

Switch colors, line thickness and more as you doodle away on screen



Handwriting recognition

Convert your handwriting and sketches into digital forms⁵



Content saving

Scan the QR code to save whiteboard content right away⁶

Notes: [2] The IdeaShare app can auto-fill the projection code in HarmonyOS, Android, and Windows.

[3] The Type-C port adapts to HarmonyOS, Android, iOS, Windows, and macOS.

[4] Miracast projection supports both Android and Windows systems.

[5] The intelligent writing recognition function supports recognition of Chinese, English, and 11 types of graphics.

[6] Content saving is supported on a number of different platforms, including WeChat, Huawei Cloud Meeting, WeLink, and web browsers.

BYOM to Transfer Your Meetings from PC to the IdeaHub

Transfer a video meeting from your PC to enjoy immersive multi-sensory meetings, made possible by IdeaHub's camera, mic, and speaker systems.

- No dedicated apps or OPS required on IdeaHub
- Enjoy a wide field of view and ultra-far sound pickup
- Facilitate local participation and ensure that remote participants benefit from an enhanced audiovisual experience

 Use IdeaHub's camera, screen, mic, and speaker

 Use PC's camera, screen, mic, and speaker

Multiple connection modes⁷



IdeaShare app



IdeaShare Key



Type-C cable

Immersive HD Intelligent Meetings

4K intelligent meeting

The brand-new H.265 codec offers dual 4K hardware encoding and decoding capabilities at a lower bandwidth. This enables 4K 30 fps HD video, as well as 4K 30 fps HD data sharing, ensuring the restoration of intricate details⁸.



Audio watermarking, ensuring traceable audio leaks

1080p cloud meetings

Adapt to Huawei cloud meeting apps and supports 1080p audio and video and dual-stream meetings.

Internal and external meetings

- Allow you to easily switch between internal and external meetings on the IdeaHub.
- Feature isolated internal and external networks, secure and reliable.

12-meter beamforming sound pickup, providing an immersive audio experience



Intelligent beamforming sound pickup

12-mic array, supporting sound localization and automatic gain control



Acoustic baffle

Virtual acoustic baffle, isolating surrounding noise



Intelligent multi-channel audio enhancement

Multi-channel far-field audio enhancement algorithm in complex environments

Notes: [7] For Windows PCs, use the IdeaShare app, IdeaShare Key, or wired Type-C cable. For macOS PCs, use wired Type-C cable or IdeaShare Key.

[8] On-premises meeting refers to meetings provided by HUAWEI CloudLink cloud video solution. Both video and content sharing support 4K 30 fps.

Security O&M

Comprehensive, intelligent O&M

The IdeaManager device management platform remotely manages and controls multiple IdeaHubs.



Remote management

- Remote setting of the shutdown time in batches
- Remote OTA update in batches



Quick fault rectification

- Inspection and fault alarm
- Self-service diagnosis of typical faults



Precise operations

- Device usage
- Startup animation and bulletin board pushing



Enterprise-level information security

CC EAL6+ high-level security certification for global commercial systems



Access control

- Controllable interface permissions
- Refined permission granularity



Security control

- Separate storage of sensitive data
- Randomized distribution of kernel address space



Operation audit

- Traceable access records



Specifications



Product name

IdeaHub ES2 Plus

Model

86": IHE2-86IA

Product dimensions (H x W x D)

1232.8 mm x 1953.0 mm x 91.8 mm

Package dimensions (H x W x D)

1300 mm x 2090 mm x 250 mm

Net weight/Gross weight

63.7 kg; 76.9 kg

Note: The dimensions and weight may vary according to how they are configured, manufactured, and measured.

Component

Device

1

Stylus pen

2

Cable

1 x power cable

IdeaShare Key

Optional (Type-C/Type-A port)

Rolling stand

Optional

Wall-mounted bracket

Optional

Note: VESA mounting sizes are M8 x 25 mm (800 mm x 400 mm for 86").

Screen

Resolution

4K

Backlight type

D-LED

Screen lamination

Zero-gap bonding

Optical anti-blue light

Supported

Camera

Zoom

6x (including 3x optical zoom)

PTZ rotation angle

Tilt (lens at two sides): 0° to 19.6°
Pan: ±25.7°

Resolution

4K

TV distortion

<2%

Intelligent tracking

Supported

Speaker

Frequency range

100 Hz to 20 kHz

Quantity

4

Power

40 W

Microphone

Sound pickup angle

180°

Quantity

12

Sound pickup distance

12 m

Wireless connection

Dual-Wi-Fi module

Wi-Fi 6

Frequency

2.4 GHz + 5 GHz

NFC

Supported

System

CPU

8 cores

RAM

12 GB

Flash

64 GB

OS

HarmonyOS and
Windows (OPS required)

Language

Chinese, English, French,
Japanese, Arabic, Spanish,
Russian, Portuguese,
Italian, and German

Note: *The available storage will be less than the stated value as pre-installed software takes up a certain amount of space.

Meeting

Supported meeting apps

On-premises meeting,
Huawei Cloud Meeting
SmartRooms

Meeting performance

On-premises meeting: 1080p 30 fps video + 1080p 30 fps/4K 8 fps content sharing
License upgrade: 4K 30 fps video + 4K 30 fps content sharing
Huawei Cloud Meeting SmartRooms: 1080p 30 fps video + 1080p 30 fps/4K 8 fps content sharing

Writing

Writing latency

16 ms

Whiteboard saving mode

QR code scanning/Email/
Local storage/USB flash drive

Intelligent writing recognition

Supported

Touch sensing distance

1.5 mm

Port

Front-panel port

1 x Type-C
2 x USB 3.0

Side-panel port

1 x USB 3.0
2 x HDMI IN

1 x HDMI OUT
1 x COM port

1 x 3.5 mm Line-out
1 x 3.5 mm Line-in

1 x RJ45 (10/100/1000 Mbit/s LAN)
1 x HDAI

1 x Touch port

* You can control your personal device on the IdeaHub after projection via Type-C/HDMI cable, IdeaShare Key, the IdeaShare app. Hardware capabilities on the mobile phone or PC may vary, and the actual experience shall prevail.

* The product pictures and screenshots in this document are for reference only. The actual product may differ slightly in background image, UI, or other content on screen.

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