



Building a Fully Connected, Intelligent World

HUAWEI IdeaHub ES2 Plus

Intelligent Vision, Limitless Horizons

Galileo's eyes | 4K intelligent meeting | Smart office collaboration



HUAWEI IdeaHub ES2 Plus

Equipped with HarmonyOS 4.0 and a next-generation hardware platform, HUAWEI IdeaHub ES2 Plus provides features such as Galileo's eyes, all-scenario intelligent meeting, and HarmonyOS smart office. 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.



TÜV Rheinland Low Blue Light
(Hardware Solution) Certification



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 μm^2 /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 3.0, delivering an immersive meeting experience

- **Displays speakers with 60% portrait proportion within 8 meters**

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



Peer vendor product shows a speaker at a distance of 8 m



IdeaHub ES2 Plus shows a speaker at a distance of 8 m

- **Intelligent panoramic view**

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



No Auto-Framing



With Auto-Framing

- **Two-person conversation on the same screen**

Intelligent sound source localization

Display two speakers at the same time



- **Intelligent lens rotation**

Industry-first imperceptible lens rotation, focusing on the speaker quickly and accurately



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 details.



OPS-free 1080P cloud meeting

1080p native Huawei Cloud Meeting



Use IdeaCamera (Key)



Use computer camera

BYOM to transfer your meetings to the big screen

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

- No apps or OPS
- Support for BYOM via IdeaShare app, Type-C cable, IdeaShare Key, or drop-down menu or NFC on Huawei phones

AI-powered intelligent meetings



Live captions⁴

Automatic voice recognition
Elevate communication efficiency



Audio watermarking

Air channel tracing technology
Prevent data leakage



Industry's first 12-microphone array with 12-meter beam sound pickup, ensuring an immersive meeting experience



Multi-channel noise suppression

Block out ambient noise such as keyboard clicks and people coughing



Beam sound pickup

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



DNN-based de-reverb

Remove noise in glass-walled spaces or rooms with marble tiles

Smart Office Collaboration

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 or using the drop-down menu or NFC on HarmonyOS phones. 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



IdeaShare app⁵



Drop-down menu or NFC
on HarmonyOS phones



IdeaShare Key⁶



Type-C cable



Miracast⁷

Smart Office Collaboration

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



Handwriting recognition

Convert your handwriting and sketches into digital forms⁸



Feels so write

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



Collaborative creation

Write on the whiteboard along with a colleague



Image insertion

Add screenshots to the whiteboard with just a tap in Multi-Window mode⁹



Content saving

Scan the QR code to save whiteboard content right away¹⁰



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



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

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, and Huawei Cloud WeLink

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/Huawei Cloud WeLink: 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 HDAL

1 x Touch port

Notes: [1] Data source: IDC report

[2] Data source: DISCIEN report

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

[4] Only Chinese and English speeches can be recognized. This function is supported only in on-premises meetings and requires the SMC on-premises platform of VC21.0 or later.

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

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

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

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

[9] In Multi-Window mode, you can tap Annotation on the tool bar and insert screenshots on the whiteboard.

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

* You can control your personal device on the IdeaHub after projection via Type-C/HDMI cable, IdeaShare Key, the IdeaShare app, or the drop-down menu/NFC of your phone. 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.



President's office

Professional video meeting | Wi-Fi Direct projection | BYOM



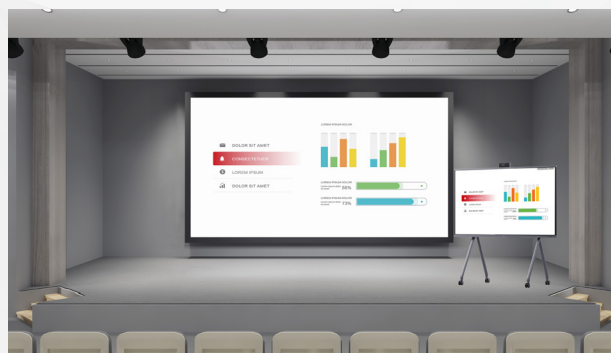
Executive meeting room

1080p cloud meeting | Wi-Fi Direct projection | Intelligent tracking



VIP reception room

VIP reception | Local office | Business discussion



Multimedia studio

Screen extension | Intelligent writing | Remote communication

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Huawei Intelligent Collaboration
official account



Huawei Yiqifei