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HUAWEI eKit

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HUAWEI IdeaHub S2

New Style Smart Office

BYOM | HD cloud conferencing | Wi-Fi 6 for direct projection



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Digitalization for Success

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Designed for Efficient Business

HUAWEI IdeaHub S2

Built on the next-gen hardware platform with high-computing power, HUAWEI IdeaHub S2 is equipped with Bring Your Own Meeting (BYOM), HD immersive meeting quality, Wi-Fi 6 for direct projection, and ultra-low writing latency, easily adapting to mainstream cloud meeting apps. It is a perfect solution for boundless collaboration and communication to fit in any room, such as regular meeting room, executive office, and open office area.



* Product pictures and display content in this document are for reference only. Actual product specifications and display content (including but not limited to backgrounds, interfaces, and illustrations) may vary.

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All-in-One Design for Boundless Collaboration

Next-gen hardware platform
8-core dual-engine driver, boosting performance

Ultra-narrow frame
Seamless zero-gap lamination and aerospace-grade nano coating

Dual-system one-tap switchover
OPS swap-free

4K soft light screen
Optical anti-blue light, adaptive to ambient light

Smart camera
Lens cover offers physical privacy protection

Centralized front panel ports
NFC, Type-C, USB 3.0, and power button

TÜV Rheinland Low Blue Light Certification

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BYOM

Seamless transfer[1]

After initiating a cloud meeting on a PC/mobile phone, you can invoke the screen, camera, microphone, and speaker of the IdeaHub. The IdeaHub does not require additional applications or OPS, facilitating user operations with more cost effectiveness.

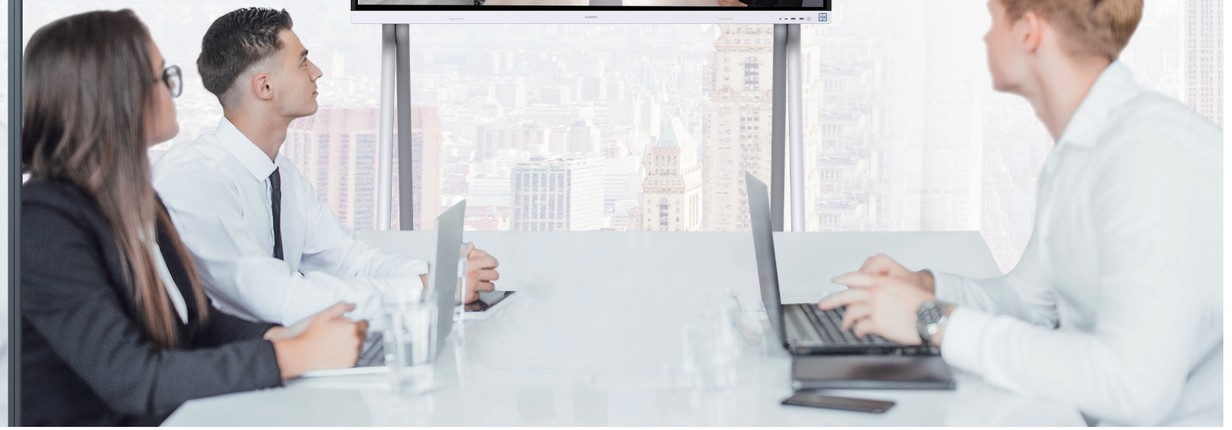
16:00
Before BYOM:
Using the PC camera, only one attendee is displayed during a multi-person meeting, resulting in low communication efficiency.







16:02
After BYOM:
Using the IdeaHub S2 camera, all attendees are fully engaged, making decision-making more efficient.



No downloads required for a cross-enterprise cloud meeting

Enable BYOM on PCs and connect to IdeaHub to enjoy a wide field of view and ultra-far sound pickup in professional meeting rooms.
Make more people engage in efficient communication and provide crystal clear and comfortable viewing experience for everyone.

Remarks:
1: For Windows PCs, use the IdeaShare app or wired Type-C cable. For macOS PCs, use wired Type-C cable. For Huawei phones, use the drop-down menu or NFC.
* The preceding features provided may vary among different mobile phones and PCs. The actual effect prevails.

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Immersive HD Intelligent Meetings

HD video meetings

Features H.264 + SIP dual protocols, HD hardware codec, and fully upgraded on-premises conferences.

1080p cloud meetings

Adapts to mainstream cloud meeting apps and supports 1080p audio and video and dual-stream meetings.

Powerful AI capabilities

Voice tracking always keeps the speaker in the center.
Auto-Framing automatically identifies the best angle for multiple participants.
Acoustic baffle shields external noise and adapts to various meeting rooms.



Example of Auto-Framing

Professional-level 4K camera

4K image sensor

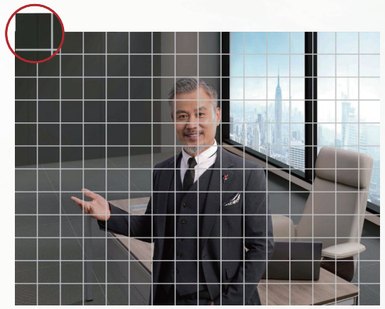
Ultra-large photosite size (2 μm²) with doubled signal-to-noise ratio (SNR)

Huawei-developed AI imaging algorithm

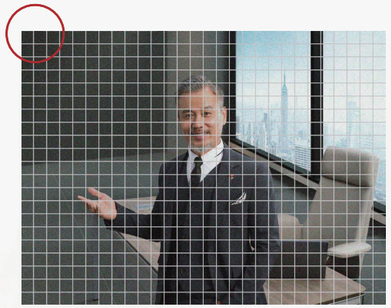
TV distortion < 2%, for more natural images

Circulating heat dissipation design

Consistent resolution even after long meetings



Photosite size of IdeaHub S2: 2 μm²



Photosite size of peer products:1 μm²

3D stereo field for cinematic sound experience

Ultra-large sound cavity | Max. 95 dB sound pressure

Acoustic engine 2.0 for clear voice from far away

12-meter sound pickup | DNN-based[1] dereverberation | for smooth communication

Remarks:
1. Deep Neural Network (DNN)

Wi-Fi 6 for Direct Projection

Next-gen direct projection without network connection

Based on the innovative Wi-Fi direct projection technology, you only need to enable Wi-Fi on the IdeaHub and your PC/mobile phone, without connecting to the Internet. The IdeaShare app automatically discovers the nearby IdeaHub to set up connections,[1] and it autocompletes the projection code after the first letter.[2] You can also use NFC or projection option through the drop-down menu on a Huawei phone to enable single-step projection.

One-step projection
Convenient operations

Wi-Fi 6 for direct projection
Stable connections

Multiple projection modes for different scenarios

- Wired projection for important occasions to deliver HD and stable experience
- IdeaShare app for daily work to increase connection and productivity
- IdeaShare Key for customer visits with the plug-and-play feature[3]

Remarks:
1. The direct projection of IdeaShare app supports HarmonyOS, Android, and Windows.
2. The projection code of the IdeaShare app can contain six or eight letters.
3. The IdeaShare Key (USB Type-A) supports Windows and macOS.

* The preceding features provided may vary among different mobile phones and PCs. The actual effect prevails.

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Intelligent Whiteboard

16 ms ultra-low writing latency
Synchronous and precise writing on screen

Handwriting recognition
Converting your handwriting and drawings to digital forms

Multiple pen thicknesses in full color
Optional handwriting thickness and unlimited color choices

Full-screen annotation
Taking a snapshot of any page and pasting it to the whiteboard for annotation

Multi-touch gestures
Select, move, zoom, and erase with gestures

Remote bidirectional collaboration
One tap to share whiteboard content for real-time collaboration

Scan to take away
Scan the QR code to take away whiteboard content

Co-authoring
Two people can write on the whiteboard concurrently

Boundless Collaboration for Smart Office

Multi-Window for efficient multitasking

Local collaboration and discussion support multiple apps to share the same screen simultaneously, ensuring uninterrupted office work and fully utilizing the large screen's strengths.



Two apps on one screen

Review materials and write on the whiteboard at the same time for doubled efficiency.

Adjustable window ratio

Support for 1:1, 1:2, and 2:1 aspect ratios.

App Multiplier: massive apps to fit your needs

This feature eliminates the black bar and image distortion. It splits an app in dual windows and allows you to perform operations on the left and right sides.



One app in dual windows

Home screen on the left and content screen on the right for quick browsing and switching.

Compatible with over 1000 apps[1]

As convenient as a mobile phone.

Remark:
1: The data is collected by the end of April 2022.

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An Ecosystem with Extensive Apps

One-click download of massive office applications



IdeaHub section in HUAWEI AppGallery provides enriched office apps.

8-core robust computing power allows multiple applications to run simultaneously with zero frame freezing.

Open and Fast Integration, Meeting All Your Office Needs

Open architecture

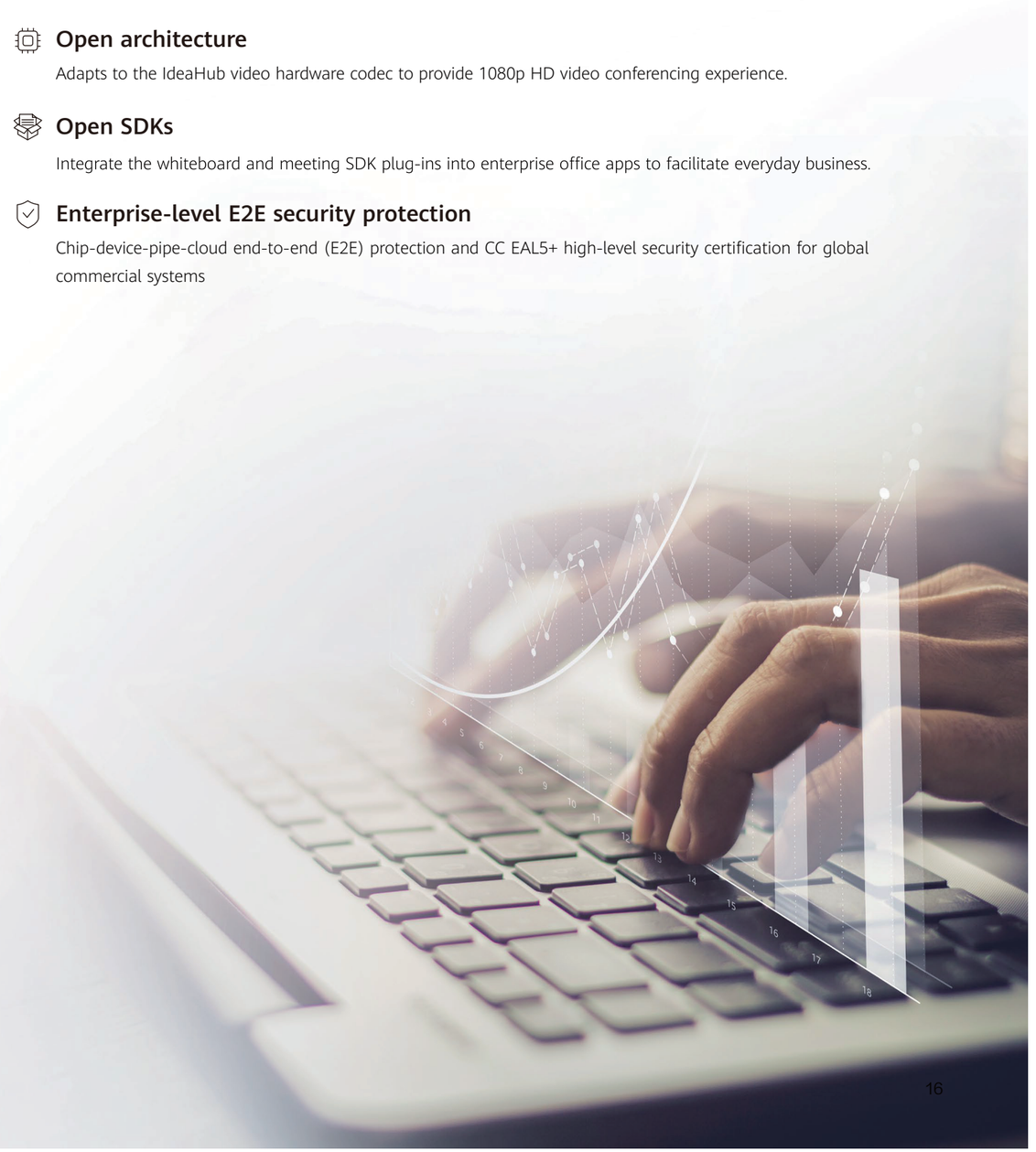
Adapts to the IdeaHub video hardware codec to provide 1080p HD video conferencing experience.

Open SDKs

Integrate the whiteboard and meeting SDK plug-ins into enterprise office apps to facilitate everyday business.

Enterprise-level E2E security protection

Chip-device-pipe-cloud end-to-end (E2E) protection and CC EAL5+ high-level security certification for global commercial systems



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Intelligent O&M, All in Your Hands

IdeaManager device management platform

Remote management and control of multiple IdeaHubs, including batch configuration, upgrade, shutdown, and bulletin board push

IdeaCare for troubleshooting

One-click diagnostics of typical faults



HiBoard as a Welcome Page

Customizable templates

Multiple built-in templates for the welcome page with one touch to display

One-click import of activity theme images

Flexible image import adapts to various activity scenarios



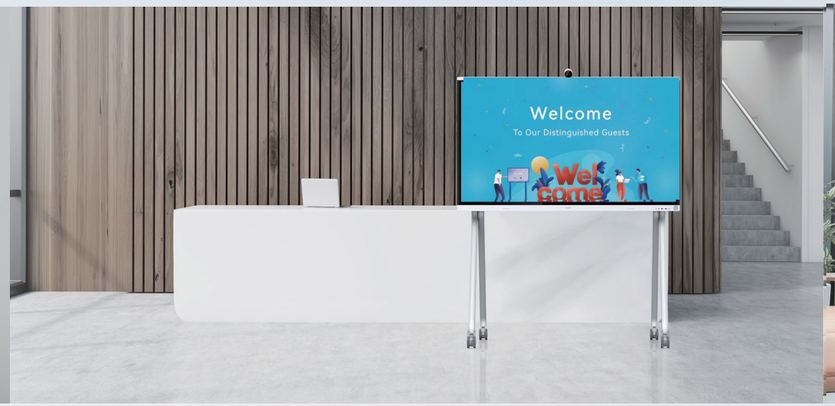
All-Scenario Smart Office Ecosystem



Regular meeting room

Local workshop, remote meeting, and business meeting

Wi-Fi 6 for direct projection | BYOM | Bidirectional collaboration | Intelligent writing



Exhibition and demonstration

Corporate culture display, welcome board, and activity promotions

4K display | HiBoard | Bulletin board | Aesthetic design



Open area

Regular meeting, instant discussion, and team-building meeting

Rolling stand | Ultra-low writing latency

Multi-gesture erasure | QR code scanning for content takeaway



Multi-functional training room

Group discussion, employee development, simulation training, and live training

HD sharing | Wi-Fi 6 for direct projection | Real-time annotation | Co-authoring



Executive office

Remote interview, employee debriefing, and CXO business meeting

Lens cover | Open ecosystem | IdeaHub Controller



Digital store

Store marketing and management, 3D demonstration, and HQ training

Marketing demonstration | Intelligent O&M | Cloud-based office applications

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Technical Specifications



Jade white

The dimensions and weight may vary with configuration, manufacturing process, and measurement method.
The product height includes the camera (55 mm).

Product model

65": IHS2-65SA
75": IHS2-75SA
86": IHS2-86SA

Product dimensions (H x W x D)

65": 947.5 mm x 1484.5 mm x 91.6 mm
75": 1071.9 mm x 1705.7 mm x 91.8 mm
86": 1212.0 mm x 1953.0 mm x 91.8 mm

Package dimensions (H x W x D)

65": 1050 mm x 1650 mm x 220 mm
75": 1170 mm x 1900 mm x 220 mm
86": 1300 mm x 2090 mm x 250 mm

Net/Gross weight (including the package)

65": 35.5 kg/ 43.0 kg
75": 47.0 kg/ 57.0 kg
86": 62.0 kg/ 73.5 kg

Component

Device	Stylus pen	Cable
1	2	1 x power cable
Rolling stand	**Wall-mounted bracket**	**IdeaShare Key**
Optional (65", 75", and 86")	Optional (65", 75", and 86")	Optional(Type-A/ Type-C port)
OPS		
Optional	Note: VESA mounting sizes are M8 x 25 mm (600 mm x 400 mm for 65", 800 mm x 400 mm for 75"/86")	

Screen

Resolution	Backlight type	Screen lamination
4K (3840 x 2160 pixels)	D-LED	Zero-gap bonding

Writing

Latency	Touch sensing distance	Intelligent writing recognition
16 ms	≤ 2 mm	Supports recognition of Chinese, English, and 11 types of graphics

Camera

Resolution	Sharpness	Lens cover
4K	1800 lines	√
Horizontal FoV	**TV distortion**	
80°	＜2%	

Speaker

Frequency domain	Number of units	Total power
100 Hz to 20 kHz	4	40 W

Microphone

Sound pickup angle	Sound pickup distance	Frequency domain
180°	12 m	80 Hz to 20 kHz

Optimized sound pickup

Sound source location, echo cancellation, and automatic gain control

Conferencing

Native meeting	Dual streams (audio/video + data sharing)	BYOM
Huawei Cloud Meeting	On-premises conference: 1080p 30 fps + 1080p 30 fps/4K 8 fps	√
On-premises conference	Huawei Cloud Meeting : 1080p 30 fps + 1080p 30 fps/4K 8 fps	

AI Function

Auto-Framing	Intelligent tracking	Acoustic baffle
√	√	√

DNN-based dereverberation*

√

* Deep Neural Network (DNN)

System

CPU	RAM	Flash
8-core	8 GB	64 GB
Operating system	**Security**	**Language**
HarmonyOS, Windows*	Embedded encryption chip that supports H.235, STARTTLS, TLS, SRTP encryption, secure boot, and TEE	Simplified Chinese, English, French, Japanese, Arabic, Spanish, Russian, German, Portuguese, and Italian

* An OPS plug-in computer is required for Windows.

Wireless Connection

Wi-Fi module	Wi-Fi frequency	NFC
Wi-Fi 6	2.4 GHz + 5 GHz	√

Interface

Video input	Video output	Audio input
1 x HDMI (up to 4K)	1 x HDMI (up to 4K)	1 x 3.5 mm LINE IN 1 x HD-AI
Audio output	**Other ports**	
1 x 3.5 mm LINE OUT	3 x USB Type-A 3.0 1 x USB Type-C 1 x RJ45 (10/100/1000 Mbit/s LAN)	

†Product information, specifications, and features may vary by product model and system version. The information on this page is for your reference only and is subject to changes. For full information, see the official Huawei website.