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Building a Fully Connected, Intelligent World

# HUAWEI IdeaHub S2

## New Style **Smart Office**

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

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**Updated:** April 2022



# Designed for Efficient Business

## HUAWEI IdeaHub S2

Built on the next-gen hardware platform architecture, 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.





## All-in-One Design Breaks Boundaries



### 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

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

# BYOM

## Seamless transfer

Use personal devices to invoke the display, camera, microphone, and speaker of HUAWEI IdeaHub S2, connecting all of them together for a smooth and HD meeting experience.



## Multiple transfer methods

Huawei phones<sup>1</sup> support video conferencing transfer through the drop-down menu or NFC.

PCs support video conferencing transfer through the IdeaShare Key 2.0 (USB Type-C),<sup>2</sup> IdeaShare app,<sup>3</sup> and wired Type-C port.<sup>4</sup>

Note:

1. Supports Huawei phones running HarmonyOS 2.0 or later.
  2. In Windows 7, macOS 10.13.6, and later versions, the video conferencing effect can reach up to 1080p 30 fps.
  3. In Windows 7 and later versions, the video conferencing effect can reach up to 1080p 30 fps.
  4. In Windows 7, macOS 10.10, and later versions, the video conferencing effect can reach up to 1080p 30 fps.
- \*The actual performance may vary depending on vendors.

# Immersive HD Intelligent Meeting

Adapts to mainstream cloud meeting apps and supports 1080p audio and video, 4K data sharing, and dual-stream meetings. Features H.264 + H.265 dual protocols, HD hardware encoding and decoding, and fully upgraded on-premises conferences<sup>1</sup>.





## 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.


## 4K video conferencing camera




 4K 30 fps 1.5 μm optical sensor  
Doubled signal-to-noise ratio (SNR), providing better image quality

 Huawei-developed imaging algorithm  
TV distortion < 2% for natural image

 Circulating heat dissipation design  
3000-hour high-temperature test reassures consistent resolution even after long meetings

 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 ultra-long-distance sound pickup | DNN-based dereverberation<sup>2</sup> | Audio echo cancellation algorithm

Note:


1. On-premises conferences: Refers to the video conferencing function provided by Huawei CloudLink Video Conferencing Solution. The IdeaHub S2 requires a license to upgrade to dual 1080p 30 fps on-premises conferences.


2. Deep Neural Network (DNN): AI-based deep learning algorithm.

# Wi-Fi 6 for Direct Projection


## Network configuration-free and one-step access

Built on the Wi-Fi Direct capability, HUAWEI IdeaHub S2 features easy projection by multiple methods. Simply enable Wi-Fi on a mobile phone or PC to sync with the IdeaHub S2, and there's no need to join the same LAN. You can use IdeaShare app<sup>1</sup> which autocompletes the projection code after the first letter, or you can use NFC<sup>2</sup> or wireless projection through the drop-down menu<sup>3</sup> on a Huawei phone to enable single-step projection.

 Stable projection

 Dual-band dual-Wi-Fi module  
No interference between internet connection and projection

## More projection methods

 IdeaShare Key<sup>4</sup>

 Type-C and HDMI cables for projection



Note:

1. The Wi-Fi Direct feature of IdeaShare app does not support macOS and iOS. The presentation sharing quality can reach 4K 30 fps with Windows OS.
2. NFC feature is supported by HUAWEI Mate 40 series phones running EMUI 11.0.0.135 or HarmonyOS 2.0 or later, and other Huawei phones running EMUI 11.0.0.150 or HarmonyOS 2.0 or later.
3. Projection through the option in the drop-down menu is supported by Huawei phones running EMUI 10.0.1 or HarmonyOS 2.0 or later.
4. The IdeaShare Key supports Type-C and USB ports and is compatible with Windows 7, macOS 10.13.6, and later versions.



## Intelligent Whiteboard

### **16 ms ultra-low writing latency**

Synchronous and precise writing on screen

### **Handwriting recognition<sup>1</sup>**

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<sup>2</sup>**

Scan the QR code to take away whiteboard content

### **Co-authoring**

Two people can write on the whiteboard concurrently

Note:

1. The intelligent writing recognition supports recognition of Chinese, English, and 11 types of graphics.

2. You can use Huawei Cloud Meeting to scan the QR code.

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# Boundless Collaboration for Smart Office

## Multi-Window for efficient multitasking

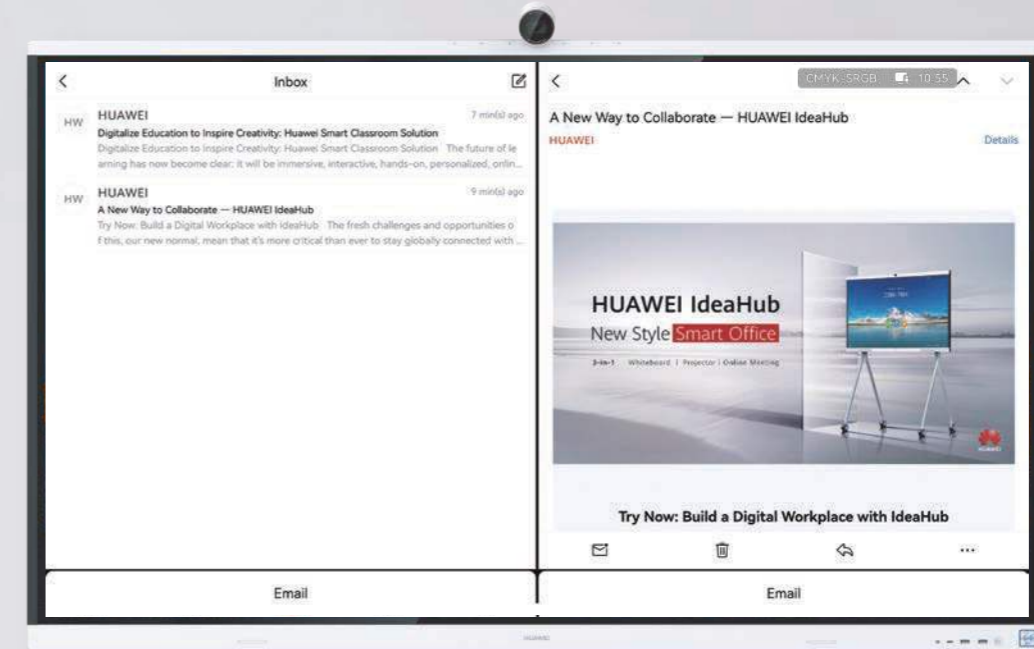
Multiple local collaboration and discussion tasks can be displayed simultaneously, ensuring uninterrupted office work and fully utilizing the IdeaHub S2's strengths.



- App switching-free during collaboration, allowing you to browse information while writing on the whiteboard at the same time.
- Supports multi-app screen linkage with adjustable window ratios (1:1/1:2), adapting to more scenarios.

## App Multiplier for user-friendly interaction

Removes black bars of apps and optimizes multi-window display effect of more apps.



- App Multiplier is supported by more than 1,000<sup>1</sup> apps.
- Displays an app in dual windows. For example, you can browse message list on one screen and read the detailed information in the other.

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

## Ecosystem of Extensive Apps

Massive number of dedicated apps and fast downloads



- Cloud-pipe-device-chip full-link protection, protecting enterprise information assets
- CC EAL5+ high-level security certification for global commercial systems

## Open and Fast Integration

### Open architecture

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

### Open SDKs

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



## IdeaManager for Intelligent O&M

### Remote management of multiple devices

Basic device configuration | Remote OTA updates | Remote shutdown | Boot screen and bulletin board push

### Fast and precise fault locating and diagnosis

Fault alarm notification | Self-service diagnosis of typical faults



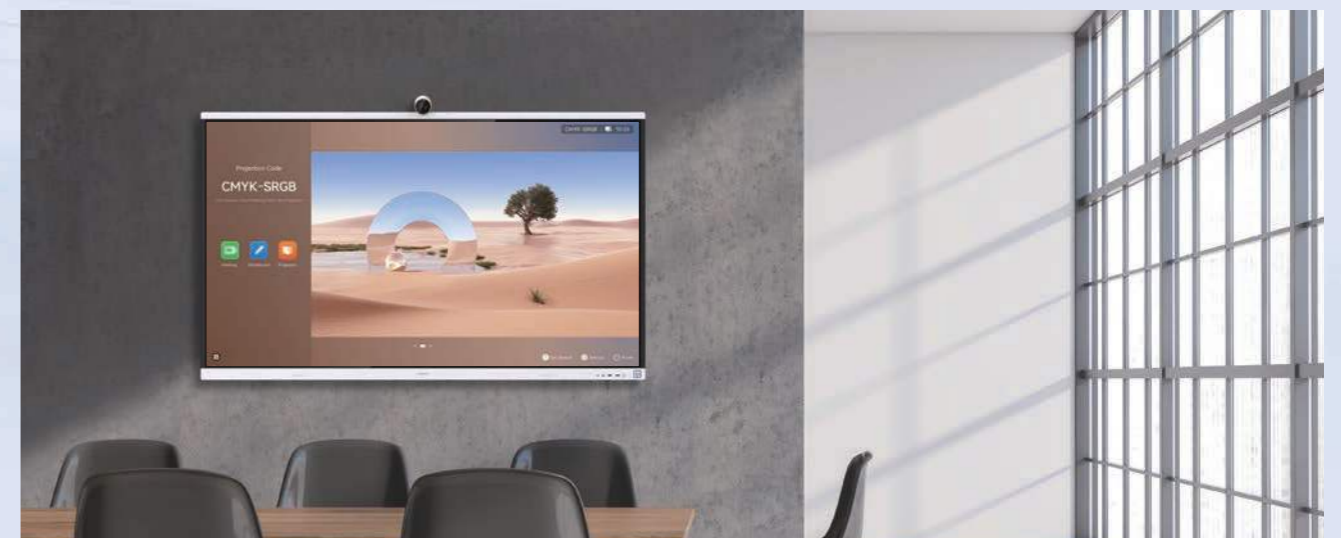
## Customizable HiBoard Welcome Page

- Multiple templates for the welcome page with one touch to display
- Supports image import and search for efficient management



## Bulletin Board for Enterprise Marketing

- Unified management and scheduled push based on regions and organizations
- Flexible advertising design allows up to 50 images to be played in turn



# All-Scenario Smart Office Ecosystem



## Regular meeting room

Local workshop, remote meeting, and business meeting

Wi-Fi 6 for P2P cross-network 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 P2P cross-network projection | Real-time annotation | Co-authoring



## Executive office

Remote interview, employee debriefing, and CXO business meeting

Lens cover | Open ecosystem | IdeaHub Controller



## Study room

Remote working and hybrid learning

4K HD display | Ultra-low writing latency | HD intelligent cloud conferencing | 3D stereo sound



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

**Net weight**

- 65": 35.5 kg
- 75": 47.0 kg
- 86": 62.0 kg

**Gross weight (including the package)**

- 65": 43.0 kg
- 75": 57.0 kg
- 86": 73.5 kg

**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 and WeLink	On-premises conference*: 1080p 30 fps + 1080p 30 fps/4K 8 fps Huawei Cloud Meeting and WeLink: 1080p 30 fps + 1080p 30 fps/4K 8 fps	✓

On-premises conference\*: The IdeaHub S2 does not support on-premises conferences by default. You need a license to upgrade the video and presentation channels to 1080p 30 fps.

**AI Function**

Auto-Framing	Intelligent tracking	DNN-based dereverberation*
✓	✓	✓

\* Deep Neural Network (DNN)

**System**

CPU	RAM	Flash
8-core A73	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, and Spanish

\* 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.

**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-C port, supporting BYOM)

**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	≤ 1.5 mm	Supports recognition of Chinese, English, and 11 types of graphics

**Camera**

Resolution	Sensor pixel size	Lens cover
1800 lines	1.5 μm x 1.5 μm	✓
Horizontal FoV	Zoom	TV distortion
80°	2x digital zoom	< 2%

**Speaker**

Frequency domain	Quantity	Maximum power
80 Hz to 20 kHz	2 x high-frequency speaker+2 x full-frequency speaker	40 W