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Building a Fully Connected, Intelligent World



HUAWEI IdeaHub S2

New Style **Smart Office**

Wi-Fi 6 for P2P projection | HD cloud conferencing | Distributed smart office

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Designed for Efficient Business

HUAWEI IdeaHub S2

Built on the new-gen hardware platform architecture, HUAWEI IdeaHub S2 is equipped with innovative Wi-Fi 6 for P2P projection, Bring Your Own Meeting (BYOM) feature, HD immersive meeting quality, 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.





Integrated Camera Breaks Boundaries



New-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-touch switchover
OPS swap-free



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



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



Smart camera
Lens cover offers physical privacy protection



TÜV Rheinland Low Blue
Light Certification

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Immersive HD Intelligent Meeting

Adapts to mainstream cloud meeting apps¹ 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 conferences². Supports professional-grade audio and video packet loss concealment AI algorithm for stable and smooth images.

Intelligent tracking always keeps the speaker in the center. Auto-Framing automatically identifies the best angle for multiple participants. Acoustic baffle³ shields external noise and adapts to various meeting rooms.



📷 Dedicated cameras for video conferencing



🔊 **1.5 μm industrial-grade optical sensor**
Doubled signal-to-noise ratio (SNR), providing better image quality.

📐 **Optimal framing for video meetings**
FoV 80 degrees, TV distortion ≤ 2%

🎥 **Professional-grade dynamic imaging technology**
HD hardware codec

🔄 **Glass-plastic lens for cyclic heat dissipation**
Consistent resolution even after long meetings

🎧 **3D stereo field for cinematic sound experience**
Ultra-large sound cavity | Max. 95 dB sound pressure

📍 **12-meter ultra-long sound pickup**
6-microphone array | DNN-based⁴ de-reverberation algorithm | Sound localization | Echo cancellation | Automatic gain control

Note:

1. Mainstream cloud meetings such as Huawei Cloud Meeting and WeLink will be supported in Q2 2022.
2. 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.
3. Acoustic baffle will be supported in Q4 2022.
4. Dynamic Neural Network (DNN): AI-based deep learning algorithm

New-Gen Wi-Fi 6 for P2P Projection

One-step access for faster and more stable projection

Compared with traditional projection methods, the IdeaHub S2 is built on the P2P cross-network projection capability. With the Wi-Fi enabled on your device, the mobile phone, PC, and large screen do not need to be in the same LAN and no network configuration is required. In addition, you can use IdeaShare app¹, NFC² on your Huawei phone, or wireless projection through the drop-down menu³ to enable one-step projection.



Stable projection



Dual-band dual-Wi-Fi module

No interference between internet connection and projection

More projection methods



IdeaShare Key⁴

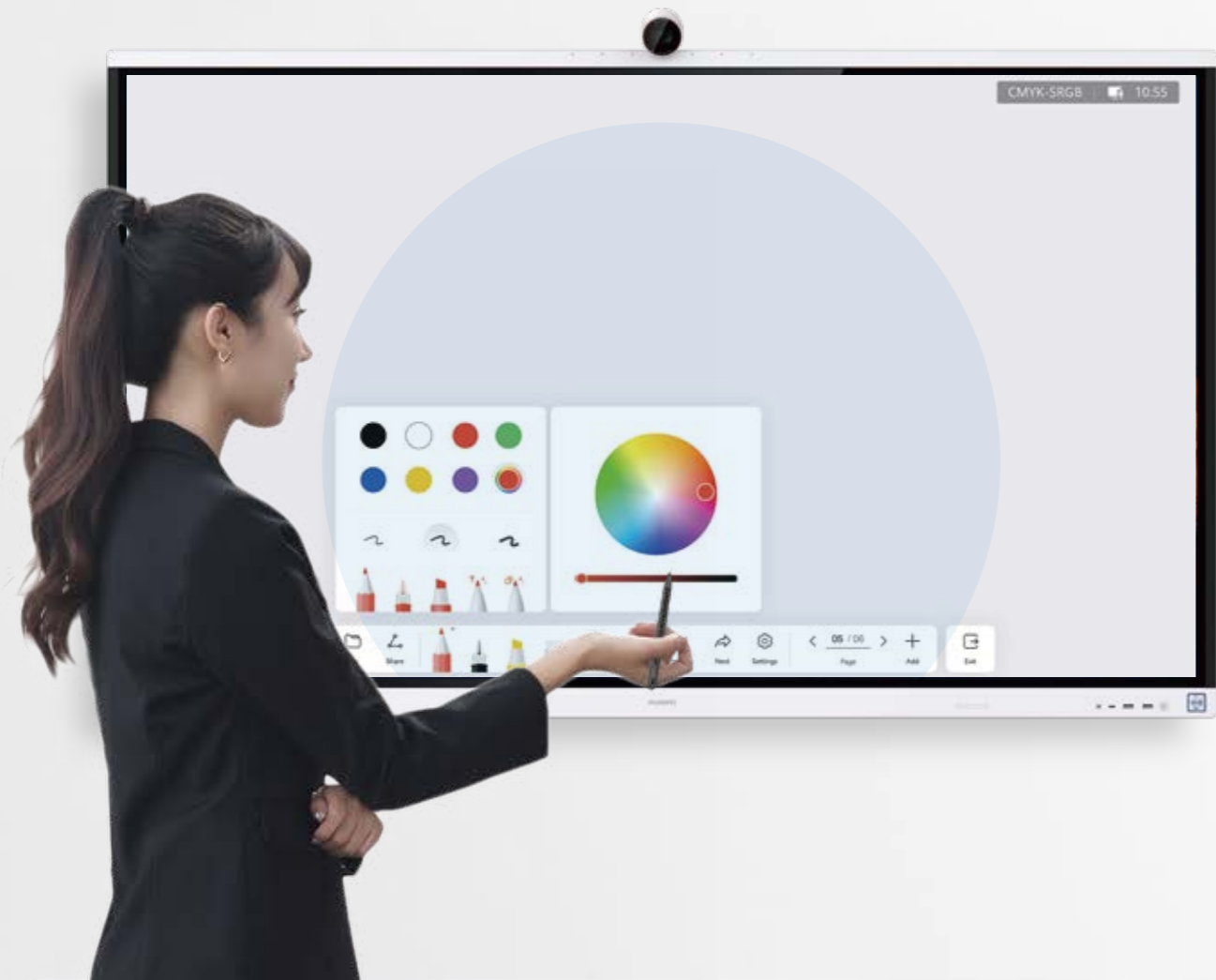


Type-C and HDMI cables for projection



Note:

1. The Peer-to-Peer (P2P) projection feature of the IdeaShare app does not support macOS and iOS. The presentation sharing quality can reach 4K 30 fps in the 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. This feature will be supported in Q4 2022.
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. This feature will be supported in Q4 2022.
4. The IdeaShare Key supports Type-C and USB ports and is compatible with Windows 7 or later and macOS 10.13.6 or later.



Intelligent Writing 2.0

Multiple strokes

Pencils, pens, and highlighters

Intelligent writing¹

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 away²

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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Distributed Smart Office

Seamless transfer of BYOM¹

Use your personal device to invoke the display, camera, microphone, and speaker of the large screen for smooth and HD meeting experience, facilitating seamless and effortless conferencing.



Multiple transfer methods

Huawei mobile phones and tablets support wireless projection through the drop-down menu².

PCs running Windows OS³ can project desktops the large screen using the IdeaShare Key (Type-C) or IdeaShare app⁴.

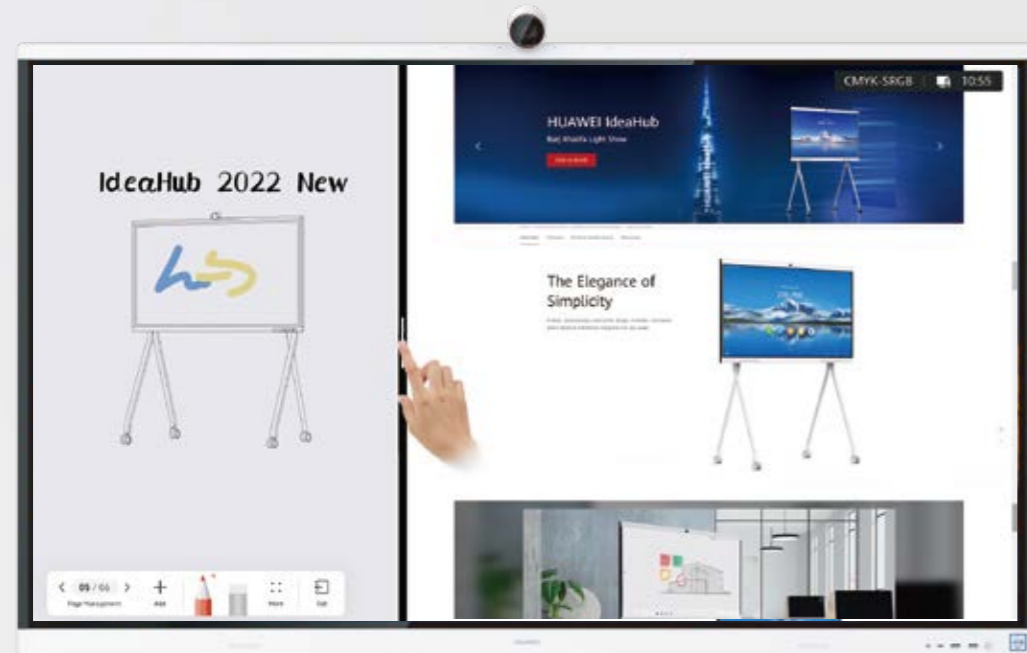
Note:

1. BYOM will be supported in Q3 2022, when the full list of functions that support BYOM will also be confirmed.
2. Huawei mobile phones running HarmonyOS 2.0 or later can deliver a video conferencing effect of up to 1080p 30 fps. This feature will be supported in Q4 2022.
3. Supports Windows 10 or later and delivers a video conferencing effect of up to 1080p 30 fps.
4. The BYOM feature of IdeaShare app requires the Windows 7 or later.

Distributed Smart Office

Multi-Window for efficient multitasking

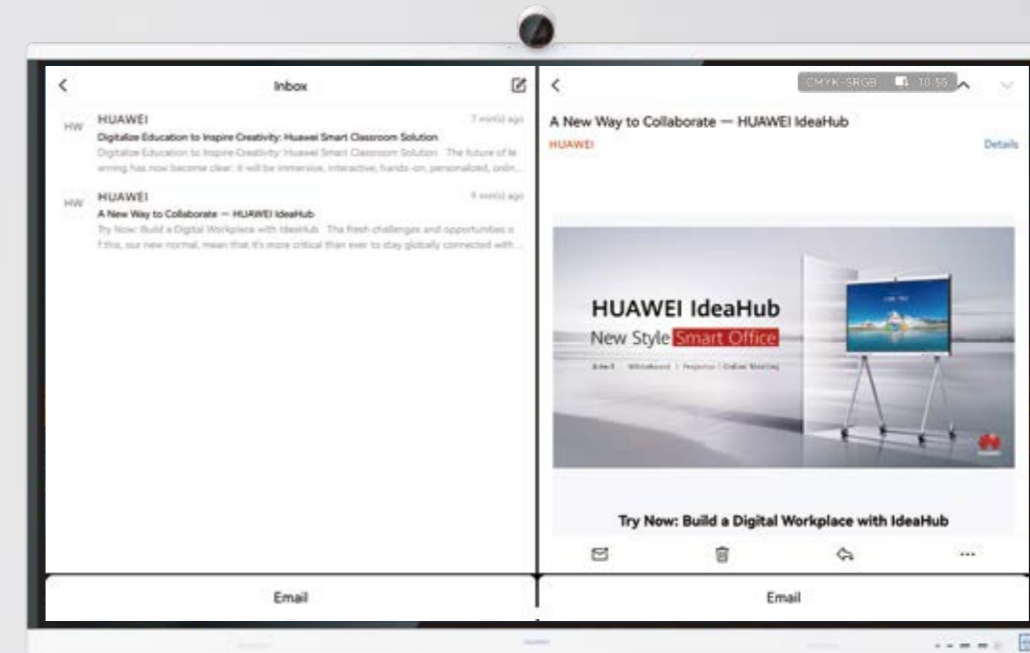
Multiple local collaboration and discussion tasks can be displayed simultaneously, ensuring uninterrupted office work and fully utilizing the large screen's strengths.



- 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, user-friendly interaction in landscape mode

Removes black bars of large-screen apps and optimizes multi-window display effect of more apps, embracing the app ecosystem in landscape mode.



- App Multiplier is supported by more than 1,000¹ 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.

Dual Office App Ecosystems and Fast Downloads

Support for massive number of dedicated large-screen apps and one-touch running of built-in office applications.



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

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



Open and Fast Integration, Meeting All Your Office Needs

Open hardware

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

Open SDKs

Integrates the IdeaHub whiteboard¹ SDK plug-in for ultra-low writing latency.

Adopts the system SDK to support customized boot screen and wallpaper to better present corporate culture.



Note:

1. The meeting and whiteboard SDKs will be supported in Q4 2022.

IdeaManager¹ Intelligent O&M

Remote management of multiple devices

Basic device configuration | Remote OTA updates | Wallpaper and bulletin board push

Comprehensive optimization of app management

App usage statistics | Download management | App permission management

IdeaCare for self-service diagnosis

One-click diagnosis of typical faults | Remote assistance from professionals



Note:

1. This feature will be supported in Q4 2022.

All-Scenario Smart Office Ecosystem



Regular meeting room

Local workshop, remote meeting, and business meeting

Wi-Fi 6 for P2P projection | BYOM | Bidirectional collaboration | Intelligent writing



Exhibition and demonstration

Corporate culture display, welcome board, and activity promotions

4K HD display | HiBoard | Bulletin board | Aesthetic design



Open area

Informal meeting, instant discussion, and team-building meeting

Rolling stand | Ultra-low writing latency

Multi-gesture erasure | QR code scanning for content takeaway



Multimedia room

Decision-making report, information-sharing meeting, and summary meeting

Reverse control | Multi-screen interaction | 3D surround sound | 4K data sharing



Multi-functional training room

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

HD sharing | P2P projection | Real-time annotation | Co-authoring



Executive office

Remote interview, employee debriefing, and CXO business meeting

Lens cover | Sleek design | Open ecosystem | IdeaHub Controller

Technical Specifications



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

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

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

Screen

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

Writing

Precision	Touch sensing distance	Intelligent writing recognition
±1 mm	≤ 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	Operating temperature	
80°	-20°C to +60°C	

Speaker

Frequency domain	Quantity	Max. Power
80 Hz to 20 kHz	2 x high-frequency speaker+2 x full-frequency speaker	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 and WeLink	On-premises conference*: 1080p 30 fps + 1080p 30 fps Huawei Cloud Meeting and WeLink: 1080p 30 fps + 1080p 20 fps/4K 5 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 de-reverberation
√	√	√

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, Chinese cryptographic algorithms, 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 60 fps)	1 x HDMI (up to 4K 60 fps)	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 A 3.0 1 x 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.