

HUAWEI IdeaHub S3

Professional Meetings, Seamless Communication

True-to-life visuals | VIP meeting experience | Boundless smooth interaction



HUAWEI IdeaHub S3

The HUAWEI IdeaHub S3 series boasts an intelligent dual-lens camera, delivering true-to-life visuals, VIP meeting experience and zero-delay collaboration. With enhanced HD audio, video, and AI capabilities, it captures every detail and intelligently identifies each need, breaking down the barriers of time and space in communication. This solution is tailored for executive offices and meeting rooms, helping enterprises realize collaborative smart office, while boosting office efficiency and collaboration quality.

4K dual-lens camera + 5x zoom

4K dual-lens camera, 100% longer tracking
Stable lens switching and speaker tracking

4K soft light screen

Distinct contrast and crystal clear details under any light
Professional eye-care certified by TÜV Rheinland

Dual systems

HarmonyOS and Windows
One-tap switching

24-mic + 15-meter sound pickup

24-mic array with intelligent noise reduction and multi-channel voice enhancement
Removes noise and improves speech quality for clearer communication

3D stereo sound

2 x (tweeter + full-range unit) + 1 x woofer
Stereo surround sound for an immersive experience

Various interfaces

USB 3.0/HDMI/Type-C (65 W fast charging)
Broad device compatibility and feature-rich functions



VIP Meeting Experience

AI vision engine, reproducing true-to-life colors

With an industry-leading super-resolution algorithm, 720p conferences (BYOM or cloud meeting in OPS mode) are intelligently upscaled to near-1080p clarity—making every image sharper and more lifelike for a true face-to-face experience.



Original image



Enhanced image

BYOM, transfer 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.

Cloud meeting, flexible app adaptation

Native Huawei Cloud Meeting delivers a 1080p HD experience. In OPS mode, various third-party meeting apps can be downloaded to cater to diverse customer needs.

intelligent tracking

Intelligent speaker tracking

Automatically tracks the speaker



Auto-Crop View

Intelligently divides participant video into 6 panes



Auto-Framing

Adjusts the image based on the number of participants for a panoramic view



Boundless Smooth Interaction

9-pane projection for effortless material comparison¹

Seamlessly display information from phones, PCs, and tablets—including documents, audio, and video—all on one screen. Break down information silos.

- Synchronized multi-dimensional information display
- View/annotate content as you wish
- Automatic layout optimization



Work smarter with ultrasonic projection

No interference from Wi-Fi or Bluetooth signals. Automatically discover devices for one-tap projection, with no need for complex projection codes.

Tailored projection solutions for every conceivable scenario²



IdeaShare app³



Seamless
HarmonyOS support



IdeaShare Key
(Type-C/Type-A)



Type-C/HDMI
cable



Miracast projection⁴

Seamless screen mirroring and control for a smarter office⁵

The IdeaHub screen can be mirrored to your phone or tablet, allowing you to use your device as a controller.

It supports screen mirroring to up to 40 devices, with individual control over connection, casting, and mirroring, ensuring user privacy and data security.

Smart Control 2.0: instant control, flawless precision⁶

Smart Control 2.0 lets you point, swipe, and annotate—seamless control of the IdeaHub, right at your fingertips.



Pointing accuracy: <math>< 3^\circ@3\text{ m}</math>



Operation response delay: <math>< 0.06\text{ s}</math>



30+ days of usage on a single charge



Notes: [1] The 9-pane projection feature is available only in non-meeting mode.

[2] You can control your personal devices on the IdeaHub after projection via Type-C/HDMI wired projection, IdeaShare Key, IdeaShare app, or NFC one-touch projection/drop-down menu from your phone. Different devices have different hardware capabilities.

[3] The IdeaShare app's projection code suggestion feature is compatible with HarmonyOS, Android, and Windows.

[4] Miracast supports Android and Windows.

[5] To use the mirroring and control function, the IdeaShare app must be installed on the projection source device.

[6] Data is from Huawei labs. Actual usage may vary slightly depending on habits, environment, and other factors.

Intelligent Whiteboard

Smoother and smarter handwriting



16 ms ultra-low writing latency

AI handwriting prediction algorithm for a smooth writing experience



Intelligent writing

Intelligently recognizes Chinese and English text, as well as shapes



Feels so write

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



Whiteboard favorites

Save frequently used content to whiteboard favorites in just a tap



Image insertion

Add screenshots to the whiteboard with just a tap in Multi-Window mode¹



Content saving

Scan the QR code to save whiteboard content right away²

Instant writing with stylus

The device automatically enters annotation mode when the stylus touches the screen, allowing direct annotation on documents, images, web pages, and other interfaces. Handwritten marks—such as underlines, circles, and notes—are displayed in real time, improving efficiency.



Notes: [1] In Multi-Window mode, you can tap Annotation from the toolbar to take a screenshot and add it to the whiteboard.

[2] This feature works with WeChat, browsers, Huawei Cloud Meeting SmartRooms, and WeLink.

Security O&M



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



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



Specifications



Product name

Model

IdeaHub S3

65": IHS3-65SA

75": IHS3-75SA

86": IHS3-86SA

Dimensions (H x W x D) (mm)

Package dimensions (H x W x D)

Net weight/Gross weight

65": 935.5 x 1484.5 x 91.6

65": 1050 x 1650 x 220

65": 37.0 kg; 47.3 kg

75": 1059.9 x 1705.7 x 91.8

75": 1170 x 1900 x 220

75": 49.5 kg; 61.0 kg

86": 1200.0 x 1953.0 x 91.8

86": 1300 x 2090 x 250

86": 64.4 kg; 78.4 kg

Note: The dimensions and weight may vary with configuration, manufacturing process, and measurement method.

Components

Entire 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

Smart Control 2.0

Optional

MTBF

> 100,000 hours

Meeting

Supported meeting apps

Huawei Cloud Meeting SmartRooms

Meeting performance

Huawei Cloud Meeting SmartRooms: 1080p 30 fps video + 1080p 30 fps/4K 8 fps content sharing

Smart functions

Speaker tracking

√

Auto-Framing

√

Acoustic baffle

√

DNN-based dereverberation

√

AI vision engine

√

Auto-Crop View

√

Instant writing with stylus

√

Camera

Zoom

5x

Resolution

4K 30 fps

Lenses

1 x wide-angle + 1 x telephoto

TV distortion

< 2%

Lens material & manufacturing

High-end, glass-plastic hybrid lens (4G4P)

Aperture

Wide-angle: F1.8; telephoto: F1.85

Horizontal field of view

Wide-angle: 80°, telephoto: 65°

Focus stability

Zero focus loss

Speaker

Frequency domain

60 Hz to 20 kHz

Number of units

2 x tweeters + 2 x full-range speakers + 1 x woofer

Total power

70 W

Microphone

Frequency domain

100 Hz to 20 kHz

Number of units

24

Sound pickup angle

180°

Sound pickup distance

15 m

Automatic gain control (AGC)

√

Acoustic echo cancellation (AEC)

√

De-reverberation

RT60 ≤1.5s

AI-powered noise removal

≥ 300 types

Screen

Resolution

4K

Backlight type

D-LED

Screen lamination

Zero-gap bonding

Optical anti-blue light

Supported

Brightness (typical value)

350 nits

Max. touch points

32 (HarmonyOS)/50 (Windows)

Touch response time

≤ 5 ms

Writing

Latency

16 ms

Touch sensing distance

≤ 1.5 mm

Intelligent writing recognition

Supports intelligent recognition of texts and 11 types of graphics

System			
CPU	RAM	Flash	Operating system
8 cores	8 GB	128 GB	HarmonyOS Windows (OPS required)
Language			
Chinese, English, French, Japanese, Arabic, Spanish, Russian, Portuguese, Italian, German, Thai, Turkish, Bulgarian, Traditional Chinese, Kazakh, Korean, Romanian, Serbian (Cyrillic), and Sinhalese			
Wireless connection			
Wi-Fi module	Wi-Fi frequency	NFC	Bluetooth
Wi-Fi 6	2.4 GHz + 5 GHz	√	√
Interface			
Front-panel port	Side-panel port		
1 x Type-C 2 x USB 3.0	2 x HDMI IN 1 x HDMI OUT 1 x 3.5 mm LINE IN 1 x 3.5 mm LINE OUT	1 x USB 3.0 1 x Type-C (fast charging supported) 1 x HD-AI	1 x RJ45 (10/100/1000 Mbit/s) 1 x TOUCH port 1 x COM port

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Huawei Intelligent
Collaboration official website