



Building a Fully Connected, Intelligent World

# HUAWEI IdeaHub S2

## New Style **Smart Office**

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



# 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.

## All-Scenario Smart Office Ecosystem



### Regular meeting room

Local workshop, remote meeting, and business meeting

### Executive office

Remote interview, employee debriefing, and CXO business meeting

### Open area

Regular meeting, instant discussion, and team-building meeting



### Multi-functional training room

Group discussion, employee development, simulation training,

### Exhibition and demonstration

Corporate culture display, welcome board, and activity promotions

### Study room

Remote working and hybrid learning

# All-in-One Collaboration Endpoint



## 4K Soft Light Screen

- 4K UHD display, restoring all image details
- Optical anti-blue light, for eye protection and zero color cast
- Flicker-free display, ensuring a comfortable viewing experience



TUV Rheinland Low Blue Light  
Certification for Eye Protection



## Professional 4K Camera for Video Conferencing

- $2 \mu\text{m}^2$  ultra-large photosite size for doubled signal-to-noise ratio (SNR)
- Huawei-developed AI algorithm, ensuring true-to-life, natural clarity
- Circulating heat dissipation for consistent resolution even after long meetings

## Acoustic Engine 2.0 for Clear Voice from Far Away

- 12-meter ultra-long-distance sound pickup, perfect for large meeting rooms
- DNN-based dereverberation, ensuring crystal clear voice in rooms with glass surfaces
- AEC algorithm, eliminating interference when multiple speakers are speaking at two sites



## 3D Stereo Field for Optimal Sound Experience

- Dual chambers and four speakers, delivering stereo sound
- Max. of 95 dB sound pressure level for clear sound even in large rooms
- Self-developed bass booster, enhancing the overall sound quality

# Smart Office



## Bring Your Own Meeting (BYOM)

- Effortless projection through the IdeaShare app
- No need for additional applications or OPS, making it more cost-effective and user-friendly



## Immersive FHD Intelligent Meeting

- Voice tracking, Auto-Framing, and acoustic baffle, delivering an immersive experience
- 1080p audio and video, 4K data sharing, and dual-stream meeting
- H.264 + H.265 dual protocols, HD hardware encoding and decoding, and fully upgraded on-premises conferences

## Wi-Fi 6 for Direct Projection

- Sync with the HUAWEI IdeaHub S2 by simply enabling Wi-Fi on a mobile phone or PC, without the need to join the same LAN
- Effortless projection through the IdeaShare app



## Intelligent Whiteboard as Easy as Pen on Paper

- 16 ms low-latency screen for synchronous writing
- Accurate text and graphic identification, and conversion from handwritten to digital content



# Smart Office

## Multi-Window for Efficient Multitasking

- Dual applications on one screen for doubled efficiency
- Adjustable window ratios (1:1, 1:2, and 2:1)



## App Multiplier: Massive Apps to Fit Your Needs

- App display in dual windows, allowing you to navigate between content and details on one screen
- App home screen on the left and content screen on the right

# Enterprise-level Information Security

## 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



# Intelligent O&M

## IdeaManager Device Management Platform

IdeaManager allows for remote management and control of multiple devices, including basic device configuration, remote over-the-air (OTA) updates, and startup animation and bulletin board pushes.



# Technical Specifications

**Product Name**

**HUAWEI IdeaHub S2**



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**

1

**Stylus pen**

2

**Cable**

1 x power cable

**Rolling stand**

Optional (65", 75", and 86")

**Wall-mounted bracket**

Optional (65", 75", and 86")

**IdeaShare Key**

Optional (Type-A 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**

4K (3840 x 2160 pixels)

**Backlight type**

D-LED

**Screen lamination**

Zero-gap bonding

## Writing

**Latency**

16 ms

**Touch sensing distance**

≤ 2 mm

**Intelligent writing recognition**

Supports recognition of Chinese, English, and 11 types of graphics

## Camera

**Resolution**

4K

**Sharpness**

1800 lines

**Lens cover**

√

**Horizontal FoV**

80°

**TV distortion**

<2%

## Speaker

**Frequency domain**

100 Hz to 20 kHz

**Number of units**

4

**Total power**

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.

**Huawei Technologies Co., Ltd.**

Huawei Industrial Base, Bantian, Longgang, Shenzhen



Tel: (0755) 28780808

Post code: 518129

[www.huawei.com](http://www.huawei.com)

**Copyright © Huawei Technologies Co., Ltd. 2023. All rights reserved.**

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

 **HUAWEI**, **HUAWEI**,  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.

Other trademarks, products, services and company names mentioned are the property of their respective owners.

**Disclaimers**

The technical specifications described in this document include but are not limited to parameters and performance indicators and vary depending on the actual release. This document does not constitute a warranty of any kind, expressed or implied. Huawei may update relevant information from time to time. Huawei reserves the right to update or correct the information about related products or solutions. For details, see the latest release notes or introduction.

**Updated:** April 2023