



Building a Fully Connected, Intelligent World

HUAWEI IdeaHub ES2

New Style **Smart Office**

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



IdeaHub ES2

Built on the next-gen hardware platform with high-computing power, HUAWEI IdeaHub ES2 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

Smart nursing

Nurse scheduling, intelligent handover, and intelligent display of nursing projects

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



TÜV 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)
- 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 native Huawei Cloud Meeting
- Features H.264 + SIP dual protocols HD hardware codec

Wi-Fi 6 for Direct Projection

- Sync with the HUAWEI IdeaHub ES2 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

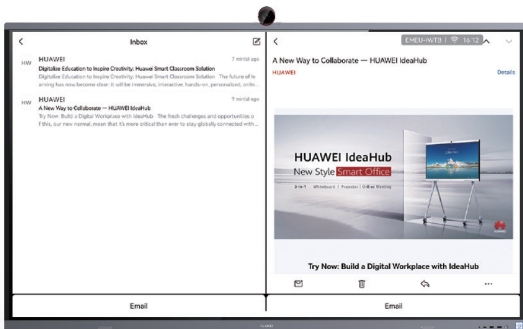
- 16 ms low-latency screen for synchronous writing
- Accurate text and graphic identification, and conversion from handwritten to digital content



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



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 ES2



Titanium Gray

Product model

65": IHE2-65SA

75": IHE2-75SA

86": IHE2-86SA

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

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

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/Type-C)

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	On-premises conference: 1080p 30 fps + 1080p 30 fps/4K 8 fps Huawei Cloud Meeting : 1080p 30 fps + 1080p 30 fps/4K 8 fps	√

Smart Function

Auto-Framing	Intelligent tracking	Acoustic baffle
√	√	√

DNN-based dereverberation*

√

* Deep Neural Network (DNN)

System

CPU	RAM	Flash
8-core	12 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

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: December 2023