HUAWEI IdeaHub

New Style Smart Office

IdeaHub Pro
65" 86"

IdeaHub S
65" 86"

Superb
Interactive Whiteboard

Professional Video
Conferencing

Prosperous Cloud
Ecosystem

HUAWEI IdeaHub Overview

Incorporating intelligent handwriting recognit   ion，
UHD projection, video conferencing and open
office applications, HUAWEI IdeaHub series is
your new option for smart office in meeting room,
open office area, executive room, home office and
many other scenarios.

Various Application Scenarios

Meeting room

Open office

Executive office

Home office

Product Highlights

Elegant Simplicity

- Modern user-centric design
- Gentle jade white frame
- Slender artistic stand

4K UHD Projection for Better User Experience

- Up to 4K resolution for smoother projection
- Higher-definition images and 4K H.265
- More accurate mouse-pointing and ultra-low cursor latency

Superb Interactive Whiteboard with Ultra-low Latency

- Ultra-low writing latency and smooth writing experience
- Intelligent writing recognition, automatically converting handwriting into digital forms
- One tap to send minutes to your mailbox for higher efficiency

Cloud Meeting Support, Easy to Use

- Support 3rd party cloud meeting service (OPS module required)
- Built-in HUAWEI CLOUD Meeting, hard codec, and one-click activation
- Seamless collaboration between PCs, phones, and IdeaHubs, allowing scanning to join a meeting (HUAWEI CLOUD Meeting)
- High network adaptability, 30% PLC for video, and 80% PLC for audio
- Cross-enterprise communication, virtual meeting rooms, supporting one-click to invite sites (HUAWEI CLOUD Meeting)

Product Highlights

Inclusive 4K & Intelligent Capabilities for Better Meeting Experience

- H.265 HD video and 4K content sharing
- Flexible layout with SVC multistream
- Auto-Framing
- Speaker tracking: automatically tracks the speaker and displays the close-up shot *

Open Ecosystem, Enormous Apps

- Popular apps pre-installed and customizable homepage
- Private application portal and web app distribution

Bulletin Board

- Company culture demonstration
- Real-time release of the company internal information in the bulletin
- Hierarchical content management for customization based on scenarios

Open Software and Hardware for Industry Applications

- Windows platform extension, OPS: optional extension module for Windows
- Open SDK: allows 3rd-party to use hardware and audiovisual capability

*: Speaker tracking is only supported by IdeaHub Pro.

Technical Specifications

Technical Specifications-1				
Model	IdeaHub Pro		IdeaHub S	
Screen size	65"	86"	65"	86"
Components				
Main body	Codec, camera, microphone array, and speaker			
Stylus pen	2			
Wall-mounted bracket	√(optional)	√(included)	√(optional)	√(included)
Rolling stand	√(optional)	√(optional)	√(optional)	√(optional)
Cables	Network cables and power cables			
Touch (tablet)	√(optional)	√(optional)	√(optional)	√(optional)
IdeaShare Key	√(optional)			
System				
CPU	Dual-chip 4-core@1.5 GHz + 4-core@1.8 GHz			
RAM	12 GB			
Flash	64 GB			
Intelligent computing power	4T FLOPS			
Screen				
Backlighting type	E-LED	D-LED	E-LED	D-LED
Resolution	4K			
Refresh rate	60 Hz			
Precision	± 1 mm			
Multi-touch	20 points			
Anti-reflection and glare	√			
Adaptive brightness	√			
Camera				
Resolution	4K30	4K30	1080p30	1080p30
Auto voice tracking	√	√	x	x
Auto-Framing	√			
Ultra-wide angle	80°			
Anti-fog, dust-proof, and anti-flicker	√			
Zoom	2 x digital zoom			
Speakers				
Frequency domain	40 Hz to 20 kHz			
Quantity	6			
Stereo audio	√			
Microphones				
Sound pickup distance	8 m			
Sound pickup angle	180° forward			
Quantity	12			
Frequency domain	20 Hz to 20 kHz			
Enhanced functions	Echo cancellation, noise suppression, auto gain control, and external microphones			

Technical Specifications

Technical Specifications-2				
Model	IdeaHub Pro		IdeaHub S	
Screen size	65"	86"	65"	86"
Ports				
Video input	1 x built-in camera 1 x HDMI (4K 30 fps), 1 x HDMI (4K 30 fps, external cameras) 1 x optional OPS input (4K 30 fps)			
Video output	1 x embedded monitor 1 x HDMI (1080p 60 fps)			
Audio input	12 x built-in microphone array 1 x 3.5 mm LINE IN 1 x HD-AI 1 x OPS input (optional) 1 x HDMI (audio input, conflicted with OPS)			
Audio output	6 x built-in speaker 1 x 3.5 mm LINE OUT 1 x HDMI (audio output)			
Other ports	2 x USB Type-A 1 x USB Type-B 1 x RJ45 (10/100/1000 Mbit/s LAN) 1 x RJ45 (for Touch)			
Wi-Fi	2.4 GHz and 5 GHz			
Electricity Supply Requirements				
Rated operating voltage	100 V to 240 V AC			
Operating frequency	50 Hz to 60 Hz			
Max. power	350 W	450 W	350 W	450 W
Environment Requirements				
Noise	≤ 46 dBA SPL			
Altitude	< 5000 m			
Temperature	IdeaHub: 0°C to 40°C, Touch: 0°C to 35°C (operating state) −20°C to + 60°C (non-operating state)			
Relative humidity	10% to 90% (operating state) 5% to 95% (non-operating state)			
Recommended illuminance	> 200 lux			
Min. illuminance	7 lux			
Certification				
Regulatory compliance	CCC, CE (RoHS, REACH, and WEEE), VCCI, Network Access License of MIIT, and Radio Type Approval Certification			
Dimensions and Weight				
Package dimensions (H x W x D)	1114 x 1720 x 246 mm	1411 x 2090 x 336 mm	1114 x 1720 x 246 mm	1411 x 2090 x 336 mm
Product dimensions (H x W x D)	931.1 x 1492.5 x71mm	1195.1 x 1963.8 x 95 mm	931.1 x 1492.5 x71mm	1195.1 x 1963.8 x 95 mm
Gross weight	62 kg	111 kg	62 kg	111 kg
Net weight	50 kg	90 kg	50 kg	90 kg

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

Technical Specifications

Technical Specifications-3				
Model	IdeaHub Pro		IdeaHub S	
Screen size	65"	86"	65"	86"
Communications Protocols				
Multimedia framework protocols	ITU-T H.323 and IETF SIP			
Audio codec protocols	AAC-LD mono/stereo, G.711A, G.711U, G.722, G.729A, G.722.1C, and OPUS			
Video codec protocols	H.265, H.264 SVC, H.264 HP, and H.264 BP			
Network transmission protocols	TCP/IP, RTP, RTCP, DHCP, DNS, SMTP, SNMP, SNTP, Telnet, SSH, HTTP, HTTPS, and TR-069			
Dual-stream protocols	ITU-T H.239 and BFCP			
Other communications protocols	H.225, H.235, H.241, H.245, H.281, H.460, RFC2833, LDAP, and LDAPS			
Wi-Fi standards	IEEE 802.11 a/b/g/n/ac/w, IEEE 802.1x, WPA2, Wi-Fi AP, and station mode			
IP protocols	IPv4 and IPv6 dual stack			
Conference Specifications				
Conferencing mode	Native conferencing			
Codec	H.265 1080p hardware codec			
Video resolutions	Min. H.264 bandwidth 1080p 30 fps 720p 60 fps 720p 30 fps Min. H.265 bandwidth 1080p 30 fps 720p 60 fps 720p 30 fps	Min. bandwidth: 512 kbit/s Min. bandwidth: 768 kbit/s Min. bandwidth: 384 kbit/s Min. bandwidth: 384 kbit/s Min. bandwidth: 512 kbit/s Min. bandwidth: 256 kbit/s		
Content resolutions	Input: 1920 x 1080 24/25/30/50/60 fps 1920 x 1200 60 fps 3840 x 2160 25/30/50/60 fps Output: 1920 x 1080 3840 x 2160 Codec resolutions: 1080p (1920 x 1080) 1920 x 1200 4K (3840 x 2160)		Input: 1920 x 1080 24/25/30/50/60 fps 1920 x 1200 60 fps 3840 x 2160 25/30/50/60 fps Output: 1920 x 1080 Codec resolutions: 1080p (1920 x 1080) 1920 x 1200	
Dual-stream resolutions	Video conferencing: 1080p 30 fps + 1080p 30fps 1080p 30 fps + 4K 8 fps Data conferencing: 1080p 30 fps 4K 8 fps		Video conferencing: 1080p 30 fps + 1080p 30 fps Data conferencing: 1080p 30 fps	
Intelligent capabilities	Speaker tracking, acoustic baffle, and Auto-Framing		Acoustic baffle and Auto-Framing	
Languages	Simplified Chinese, traditional Chinese, English, Spanish (Europe), French, Russian, Japanese, German, and Portuguese (Brazil), Italian			
Security	Embedded encryption chip that supports H.235, STARTTLS, TLS, SRTP encryption, and Chinese cryptographic algorithms			

Subscription Information

Product Name	Appearance	Remarks
HUAWEI IdeaHub Pro 65 HUAWEI IdeaHub Pro 86 HUAWEI IdeaHub S 65 HUAWEI IdeaHub S 86		–

Mount	Appearance	Remarks
65 inch Rolling Stand		Optional for 65" model Complying with the VESA standard
86 inch Rolling Stand		Optional for 86" model Complying with the VESA standard
Wall Mount Bracket		Included for 86" model, Complying with the VESA standard Optional for 65" model, Complying with the VESA standard

Optional Accessories	Appearance	Remarks
IdeaShare Key		–
CloudLink Touch		–

Learn More>>>

Intelligent Collaboration Website

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