



Building a Fully Connected, Intelligent World

HUAWEI IdeaHub K3

Pioneering Smart Education

Comfort and Health | Engaging Interactions | Thriving Ecosystem



HUAWEI IdeaHub K3

HUAWEI IdeaHub K3 is a versatile teaching tool featuring a 4K soft-light screen with optical anti-blue light, an intelligent whiteboard for smooth writing, and an HD camera. It comes with a range of teaching software that covers pre-class preparation, in-class learning, and post-class review, enhancing teaching methods and efficiency. The IdeaHub K3 is suitable for use in digital classrooms, smart interactive classrooms, and remote interactive classrooms.



TÜV Rheinland Low Blue Light (Hardware Solution) Certification

TÜV Rheinland Eye Comfort Certification



Smart Teaching, Unleashing a Screenful of Inspiration

Pre-class

Ample storage for a vast collection of teaching resources

Display resources on one screen

Course materials are stored on the cloud for convenient sharing during class.

Freely display media resources

A rich variety of audio and video media resources can be stored, for more vivid teaching.



In-class

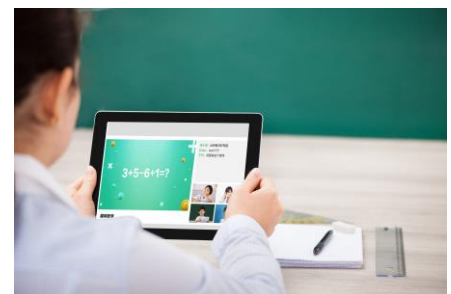
Unrestricted learning through high-quality audio and video interactions

Sharing of high-quality teaching resources

Share high-quality educational resources without the geographical limitations of traditional education.

Distance class

HD audio and video teaching, alongside features such as giving the floor, asking questions, speaking, and sharing, create a vivid classroom experience.



Multi-screen collaboration, redefining classroom interactions

Wi-Fi Direct projection

Teaching resources can be easily projected on the IdeaHub with one click.

View IdeaHub's content on the small screen

In large classrooms and lecture halls, the content displayed on the IdeaHub is synchronized with computers, mobile phones, and tablets.

Control the IdeaHub from a small screen

Teacher can remotely control the IdeaHub from anywhere. Students write on small screens and teachers comment on large screens, for more convenient collaboration.

Intelligent whiteboard for natural and smooth writing experience

Ultra-low writing latency

Intelligent recognition of Chinese, English, and graphics

PET wear-resistant and anti-slip stylus

Screenshots and annotations on any screen

Whiteboard content and annotation saving via QR codes*

Multiple pen types and colors

Note: You can use a browser or third-party software to scan the QR code and save the whiteboard content.



Post-class

Intelligent classroom analysis for effective teaching assistance*



Learning analysis

Collect statistics on students' pre-class sign-in, in-class answers, and post-class activities to comprehensively understand students' learning status and help teachers formulate more effective teaching strategies.



Post-class review

Quickly analyze courseware content and accurately summarize key knowledge points.

Note: This feature must be used with third-party teaching software.

Features



Healthy and secure teaching

4K soft light screen and optical anti-blue light offer optimal eye comfort.
Hardware anti-tampering, with high-level, CC EAL6+ security certification.



Superb performance

Easily store a variety of learning materials with ultra-large capacity.
Get a clear view of students' situations with an ultra-wide angle of view.



Ultra-low writing latency

Enrich your writing with a dedicated stylus.
Support intelligent writing recognition and whiteboard content saving by scanning a QR code.



Convenient, easy-to-use projection

Wi-Fi Direct facilitates point-to-point connection, for easy mirroring and control of large and small screens without network access, creating a new group discussion experience.



Open ecosystem

Compatibility with Windows and one-tap switchover.



Flexible connection with multiple ports

Type-B, Type-C, and USB 3.0 ports realize easy projection and data copy.

Application Scenarios



Smart interactive classroom

Flexible layout for multi-screen interaction

Digital classroom

Innovative and healthy learning environments



Remote interactive classroom

Learn anytime, anywhere

Specifications



Model	Operating system
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IHK3-65/75/86SA

HarmonyOS

CPU	Memory
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8 Core, ≥2 GHz

12 GB

Storage

128 GB

Screen

Size	65/75/86 inches
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Resolution	3840 * 2160
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Refresh frame rate	60Hz
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Backlight Type	D-LED
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Luminance	350 cd/m ²
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Color gamut	85% NTSC
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Glass and display feature	Zero-gap bonding
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Anti-blue light	Physical anti-blue light
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Anti-glare	Support
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Angle of view	178°
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Contrast ratio	1200:1
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Hardness	7H (Pencil)
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TÜV Rheinland Low Blue Light Certification	Support
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TÜV Rheinland Eye Comfort Certification	Support
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Interface

Front-end port	USB ports: USB Type-C×1 (supporting 65 W charging), USB Type-A 3.0 x2, USB-B 2.0 ×1 (Reverse Touch) Video: HDMI In 2.0 (4K)×1
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Side port	Serial port: RS232×1 Audio: Line IN ×1, Line OUT ×1 Video: HDMI Out 2.0 x 1, HDMI IN 2.0 (4K) x 1 USB ports: USB Type-A 3.0 x1, USB Type-A 2.0 x2, USB-B 2.0 ×1 (Reverse Touch)
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OPS port	OPS Slot x 1, supports Windows OPS insertion
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Network Port	RJ45 10/100/1000M x 1
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Wi-Fi	Wi-Fi 5+Wi-Fi 6: Supports Station + AP
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Wi-Fi protocol	IEEE 802.11 a/b/g/n/ac/ax
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Supported Wi-Fi frequency bands	2.4GHz/5GHz
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Note: The specifications may vary depending on the actual release.

Microphone

Number of microphone	≥ 6
Sound pickup distance	≥10 m

Speaker

Number of speaker	≥ 2
Power	≥30W

Camera

Pixels	≥ 4800w
Video	1080P 30FPS

Touch Screen

Touch technology	Infrared ray
Touch Accuracy	±1mm
Number of simultaneous touch points	40
Response time	≤4ms
Whiteboard Writing Latency	≤16ms
Whiteboard saving	Local, USB flash drive, email, and Browser QR code scanning
Whiteboard function	Write, Draw, Erase, Page Clean
Dynamic annotation	Support

Projection screen

Projection mode	APP, HDMI, Type-C, NFC
Projector	Supports USB-A and USB-C projectors
System Compatibility	Android/Windows/iOS/macOS/HarmonyOS
P2P Screen Mirroring Without Network Configuration	Support
Mirroring control	Support
Reverse Touch	Support

OPS (Optional)

CPU	6 Core, ≥ 2.5 GHz
Memory	8 GB
Processor	Core i5 12400
Storage	256GB SSD
Cache	18 MB
OS	Windows 11 or higher Version

Other

Automatic brightness adjustment	Support
Stylus pen	2
USB protective cover	Support
Multi-Window	Support
Welcome Page	Support
BYOM	Support

Power supply

Operating Voltage	100V - 240V AC 50/60HZ
Maximum power	65inch 350W/75inch 420W/86inch 450W
Standby power	Less than 0.5 W

Working environment

Weight	65": 37.0KG 75": 48.7KG 86": 60.0KG
Product Dimension (W×H×D)	65": 1484.5mm x 924.7mm x 90mm 75": 1705.7mm x 1048.9mm x 90mm 86": 1953.0mm x 1188.9mm x 90mm
Operating temperature	0° - 40°
Operating Humidity	10% - 95%
Altitude	< 5000 m
MTBF	> 100,000 hours



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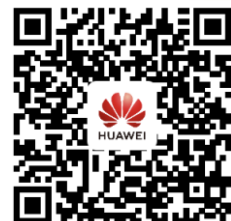
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Huawei Intelligent
Collaboration official website

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