Building a Fully Connected, Intelligent World

HUAWEI IdeaHub B2

New Style Smart Office

HD cloud meetings | Intelligent whiteboard | Enterprise-class security

Copyright © Huawei Technologies Co., Ltd. 2022. All rights reserved.
No part of this document may be reproduced or transmitted in any form or by any means without the prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

HUAWEI, HUAWEI, and are trademarks or trade names of Huawei Technologies Co., Ltd. All other trademarks, product names, service names, and company names mentioned in this document are the property of their respective holders.

Disclaimer

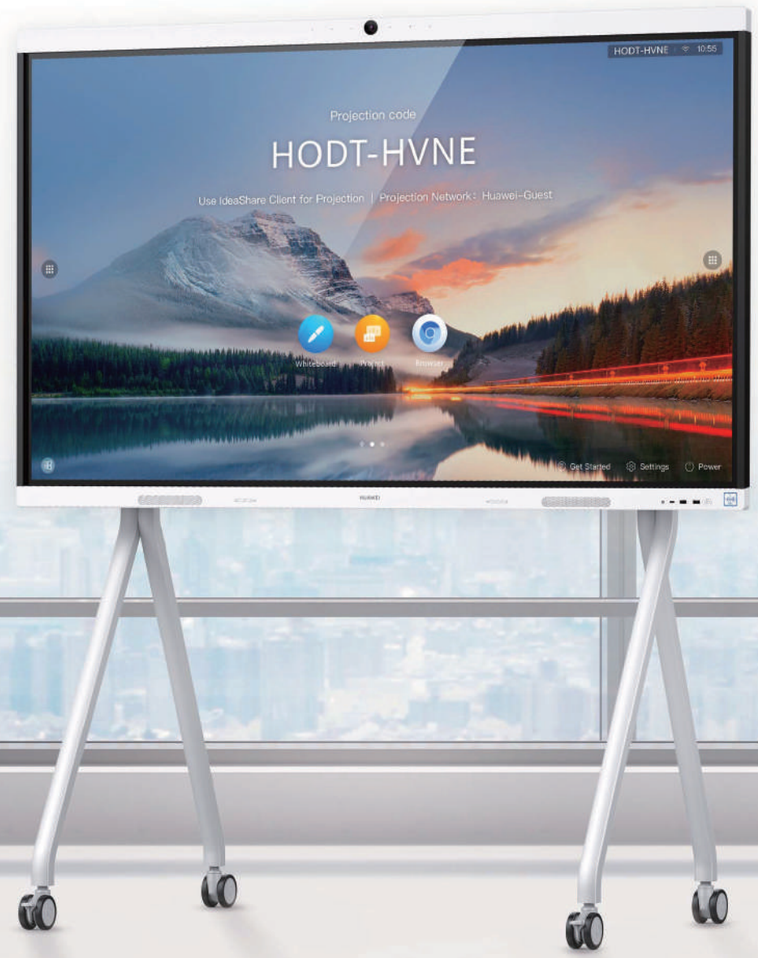
The technical specifications described in this document include but are not limited to parameters and performance indicators and vary depending on the actual release. This document does not constitute a warranty of any kind, expressed or implied. Huawei may update relevant information from time to time.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

Huawei Technologies Co., Ltd.
Huawei Industrial Base, Bantian, Longgang
Tel: +86 755 28780808
Postal code: 518129
www.huawei.com

Updated: September 2022

HUAWEI IdeaHub B2

HUAWEI IdeaHub B2 is the next-generation intelligent meeting panel that delivers HD cloud conferencing. With dual Wi-Fi design and an optical anti-blue light feature, it offers an upgraded projection and writing experience perfect for multiple office environments, including meeting rooms, manager offices, and open office areas.



All-in-One Design

4K soft light screen and optical anti-blue light

Ambient light adaptation for optimal eye comfort

Integrated design

4K camera, microphones, and speakers

Integrated design with ultra-narrow frame

Seamless zero-gap bonding and aerospace-grade nano coating

Centralized front panel ports

NFC, USB Type-C, USB 3.0, and power button

Advanced stylus pen

Anti-slip surface, anti-wear material, and magnetic attachment for smooth writing

Dual-system one-tap switchover

Plug-free design

TÜV Rheinland Low Blue Light Certification

TÜV Rheinland Eye Comfort Certification

* 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.

HD Cloud Conferencing

Enjoy simple, stable HD meetings with a fully-immersive video conferencing experience.

Professional-grade 4K video camera

4K 1.5 µm image sensor
Low-noise and true-to-life images

Huawei-developed imaging algorithm
TV distortion < 2% for natural images

Circulating heat dissipation design
Consistent resolution even after long meetings

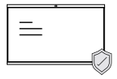
3D sound field for cinematic sound experience
550 cm3 ultra-large speaker | Max. 95 dB sound pressure level

---

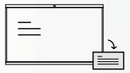
Clear sound pickup at a long distance
Six-microphone array | 10-meter sound pickup

Dual Wi-Fi Design for Fast, Stable Projection

Dual Wi-Fi modules ensure no interference between internet connection and projection, USB Type-C driver-free projection for HD sharing, and reverse control for easier page turning and annotation.



Privacy protection[1]



Reverse control[2]

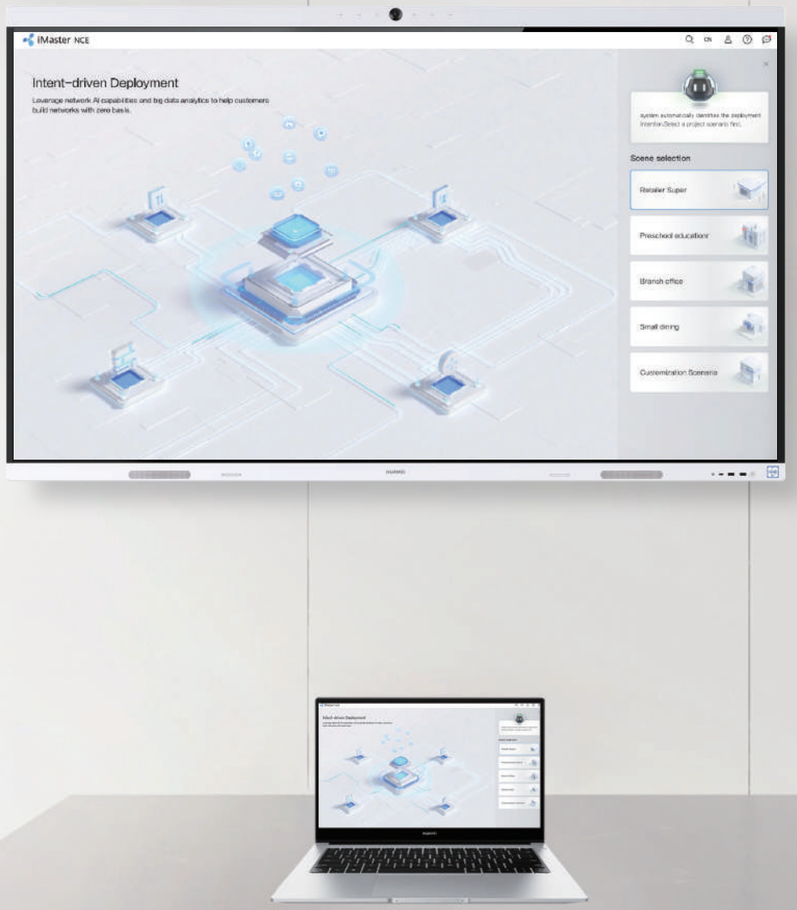
More projection methods

IdeaShare Key[3]

IdeaShare APP

USB Type-C and HDMI cables

NFC/Wireless projection from drop-down[4]



Note:

[1] NFC projection on a Huawei phone will only display notifications on your phone by default, including incoming calls, messages, and alarms.

[2] Reverse control on the IdeaHub is supported when projecting using the Type-C/HDMI cable, IdeaShare Key, IdeaShare app on a computer, and NFC/drop-down menu on a Huawei Phone.

[3] IdeaShare Key (USB Type-A) is compatible with Windows 7, macOS 10.13.6, and later versions; IdeaShare Key (USB Type-C) will be supported in later versions.

[4] Huawei phones support projection using the built-in NFC and the option from the drop-down menu. This feature is compatible with HUAWEI Mate 40 series phones running EMUI 11.0.0.135 or later, other Huawei phones running EMUI 11.0.0.150 or later, or phones running HarmonyOS 2.0.0. Upon the first use of the NFC projection, ensure that the IdeaHub can access the Internet.

Intelligent Whiteboard for Smooth Writing

25 ms low latency writing
AI handwriting tracking

Multiple strokes
Pencils and brushes

Intelligent writing[1]
Converting your handwriting and drawings to digital forms

Multiple thickness settings
Optional pen thickness and unlimited color choices

Annotation mode[2]
Insert snapshots in whiteboard to make annotations

Multi-touch gestures
Select, move, zoom and erase

Scan to take away[3]
Scan the QR code to take away whiteboard content

Co-authoring
Two people can write on the whiteboard concurrently

Note:
[1] The intelligent writing recognition supports recognition of Chinese, English, and 11 types of graphics.
[2] On the third-party app or web interface, tap Toolbar > Annotation at the bottom to make annotations. You can share and save the annotations.
[3] Multiple methods are supported to scan the QR code to take the content away, including browser and self-built server.

* 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.

Multi-Device Collaboration and Smart Office Ecosystem

The IdeaHub B2 has pre-installed office apps and dedicated IdeaHub app section; collaborating with various types of endpoints to achieve efficient cross-device collaboration.

Customizable HiBoard and Bulletin Board

User-defined interfaces for infinite possibilities

Bulletin Board for Enterprise Marketing

- Unified management and scheduled push based on regions and organizations
- Up to 50 images can be played in turn

HiBoard as a Welcome Page

- Multiple templates for the welcome page with one touch to display
- Supports image import and search for efficient management

IdeaManager

Intelligent, cost-efficient O&M

Remote management of multiple devices

Basic device configuration and remote OTA updates

Optimized overall monitoring

Device application usage statistics and fault inspection

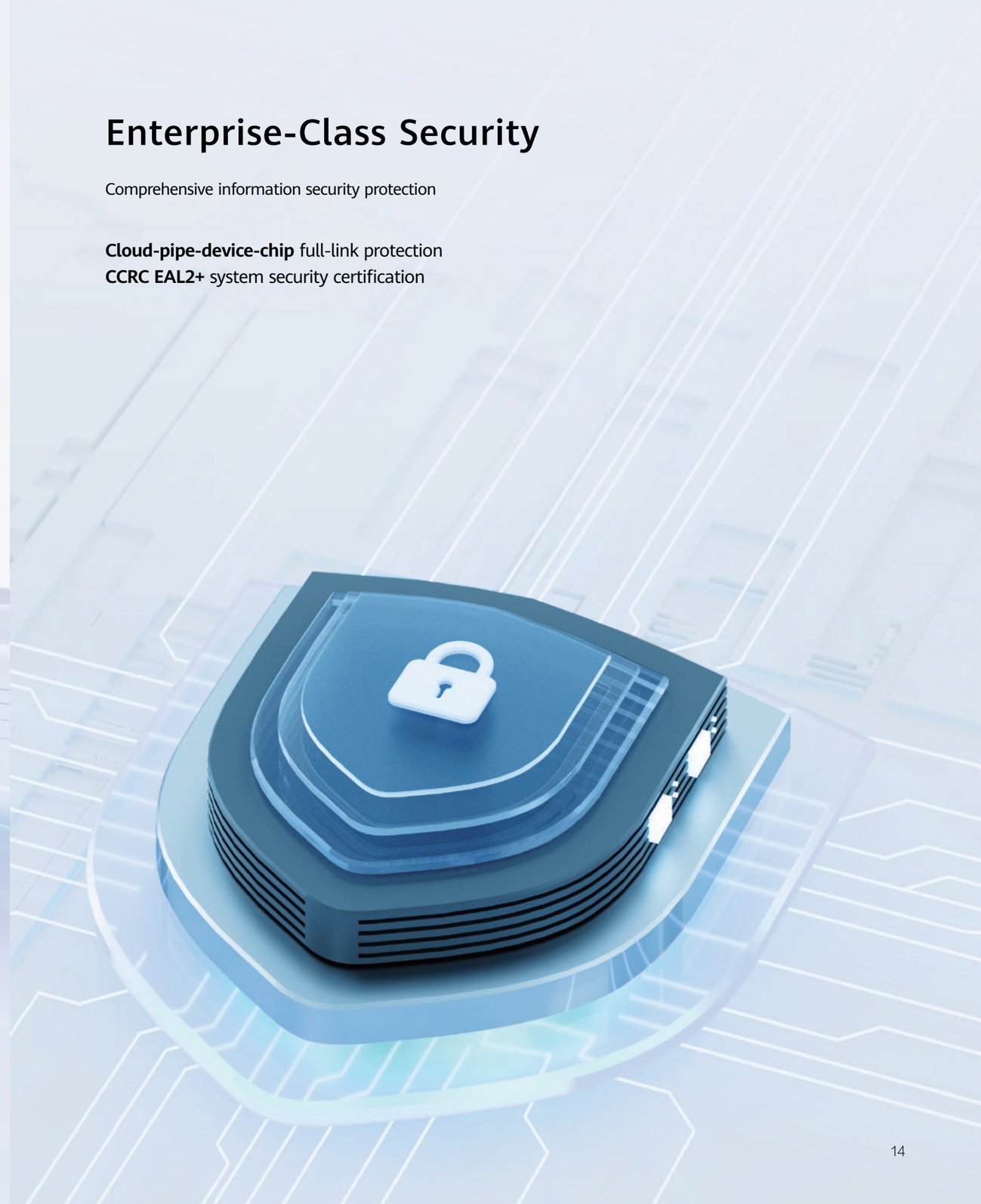
Automatic diagnosis using IdeaCare app

One-tap diagnosis of typical faults and remote assistance from professionals

Enterprise-Class Security

Comprehensive information security protection

Cloud-pipe-device-chip full-link protection
CCRC EAL2+ system security certification



All-Scenario Smart Office Ecosystem

Regular meeting room

Local workshop, remote meeting, and business meeting

HD cloud conferencing | Dual Wi-Fi projection | Bidirectional collaboration | Intelligent whiteboard

Exhibition and demonstration

Corporate culture display, welcome board, and activity promotions

4K display | HiBoard | Bulletin board | Aesthetic design

Open working area

Informal meeting, instant discussion, and team-building meeting

Rolling stand | Low-latency writing | Multi-gesture erasing | Scan to take away

Multi-purpose training room

Group discussion, employee development, simulation training, and live training

Screen sharing | Group projection | Co-authoring | Dynamic annotation

Executive office

Remote interview, employee debriefing, and CXO business meetings

Aesthetic design | NFC | Privacy protection | IdeaHub Controller

Study room

Remote working and hybrid learning

4K display | Low writing latency | Massive applications | 3D stereo sound

Technical Specifications

Product Name

HUAWEI IdeaHub B2

Jade white

Model

65": IHB2- 65PU
75": IHB2- 75PU
86": IHB2- 86PU

Product dimensions (H x W x D)

65": 1484.5mm × 91.6mm × 916.1mm
75": 1705.7mm × 91.8mm × 1040.5mm
86": 1953.0mm × 91.8mm × 1180.6mm

Package dimensions (H x W x D)

65": 1650mm × 220mm × 1050mm
75": 1900mm × 220mm × 1170mm
86": 2090mm × 250mm × 1300mm

Note: Actual dimensions may vary depending on the configuration, manufacturing process, and measurement method.

Component

Device	Stylus pen	Cable
1	2	Power cable x 1
Rolling stand*	**Wall-mounted bracket***	**IdeaShare Key**
Optional (65", 75", and 86")	Optional (65", 75", and 86")	Optional

OPS

Optional（i5/i7）

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	Backlight type	Screen lamination
4K UHD (3840 x 2160)	D-LED	Zero-gap bonding
Viewing angle	**Color depth**	**Color gamut**
178°	10bit (8bit +FRC)	85% NTSC (typical value)
Screen refresh rate	**Number of touch points**	
60Hz	20	

Camera

Zoom	Maximum angle of view	Video output resolution
2 x digital zoom	Horizontal: 80°/Vertical: 50°	4K
TV distortion	**Aperture**	
＜2%	F1.8	

Speaker

Frequency domain	Speaker unit	Stereo
100Hz- 20kHz	2 x full frequency speaker + 2 x high-frequency speaker	√
Maximum power		
30W		

Microphone

Sound pickup angle	Quantity	Frequency domain
180°	6	100Hz-20kHz
Sound pickup distance		
10m		

Wireless Connection

Dual-Wi-Fi module	Frequency
√	2.4GHz + 5GHz

System

CPU	RAM	Flash
4Core	4GB	32GB[1]
OS		
Android 9.0/Windows 10[2]		

Note: 1. The available storage will be less than the stated value as pre-installed software takes up a certain amount of space.
2. To use Windows 10, an OPS plug-in computer is required.

Interface

Front-panel ports	Side-panel ports	
USB Type-C x 1 USB Type-A 3.0 x 2	USB Type-A 3.0 x 1 USB Type-B x 1 HDMI IN x 2 HDMI OUT x 1 COM port x 1	RJ45 network port x 1 80-pin OPS port x 1 3.5mm Line-in x 1 3.5mm Line-out x 1

Meeting

Third-party cloud meeting app

√

Projection

Projection mode	Projection effect	Supported OS on clients
IdeaShare projection code HDMI, USB Type-C wired projection IdeaShare Key NFC/projection through the drop-down menu	Wireless projection: up to 4K 30 fps Wired projection: up to 4K 60 fps	Android / Windows / iOS / macOS
Annotate during projection	**Reverse control**	
√	√	

Writing

Writing latency	Precision	Intelligent writing recognition
≤25ms	±1mm	√
Whiteboard saving mode	**Touch sensing distance**	
QR code scanning/Email/Local storage/USB flash drive	≤1.5mm	