

HUAWEI CloudLink Collaborative Telepresence Endpoints

Eliminate Time and Space Limitations | Connect Teams | Ignite Creativity



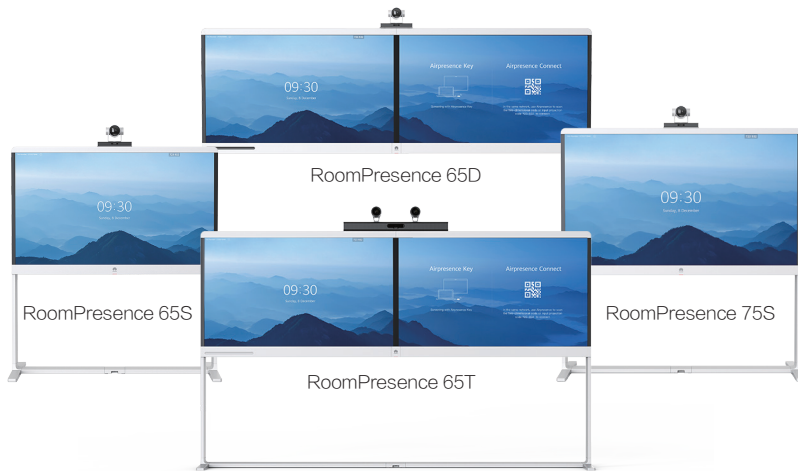
CloudLink RoomPresence

Integrated Multifunctional Collaborative Telepresence



Integrated Multifunctional Collaborative Telepresence

The CloudLink RoomPresence, Huawei's ultimate integrated telepresence product, offers all the functions that you need for your team collaboration, such as video conferencing, presentation, and data collaboration. The CloudLink RoomPresence has a stylish appearance and is suitable for small and medium-sized meeting rooms of all kinds.



Ultra-HD Video Enables Seamless Collaboration



4K ultra-HD video, H.265 codec



Dual screens, flexible video layouts



Intelligent collaboration, efficient document management

Highlights

Designed with Ultimate Simplicity

- Aluminum alloy body, light, sleek, and pleasing to eyes
- All-in-one design: no screws, dual screens seamlessly connected, and ultra-narrow bezels
- Floating button and global navigation, enabling easy access to any desired services
- Support for 65-inch and 75-inch screens



Eye-Catching Ultra-HD Video



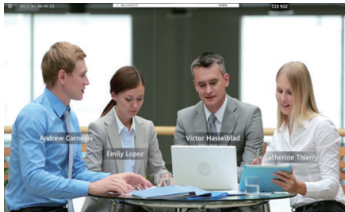
- Powerful H.265 encoding and decoding capabilities, presenting 4K ultra-HD video and data in true color and capturing every detail
- Unique "VME+SEC" technology for smooth video even at an ultra-low bandwidth (4K video at only 2 Mbit/s) and 30% packet loss concealment (PLC)

Dual Screens Fully Integrated as One Screen

- One panoramic dynamic or static wallpaper covers two screens
- Simultaneous encoding and decoding of multiple streams in different formats, allowing users to view other participants flexibly
- Display multiple content sources on two screens in your preferred layout



Intelligent Meeting Experience



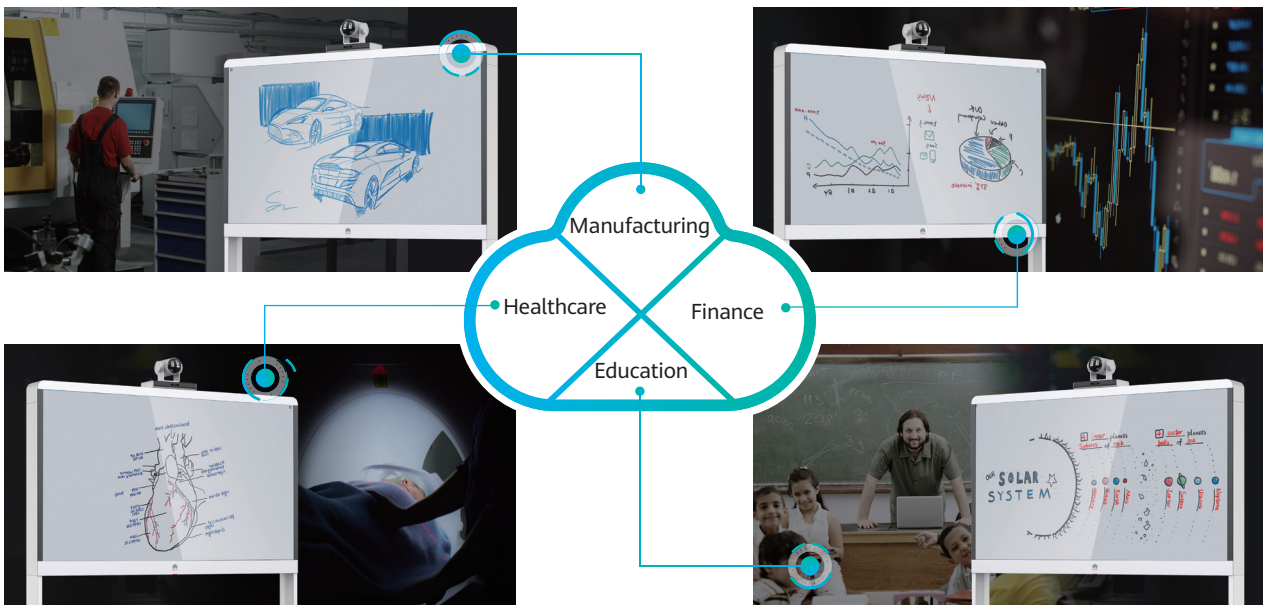
- Facial recognition sign-in and electronic name tag are supported.

Intelligent Control

- 10-inch tablet, which is stylish and easy to use
- User-friendly GUI
- PoE power supply; reserved Kensington lock slot



Application Scenarios



RoomPresence Competitiveness



Split-Type
Deployment

vS

Integrated
Deployment

- ◀ In the past, video conferencing devices such as endpoints, cameras, and microphones were separately installed and then connected with numerous cables by professional IT engineers. What's worse, they could not be moved once being installed.

- ◀ The RoomPresence combines the camera, codec, screen, microphone, and loudspeaker into an all-in-one device, which is easy to install.
- ◀ The configuration is complete with just one click through an activation code.



- ◀ 1080p video failed to meet the requirements of medium- and large-scale meetings.

- ◀ Huawei uses the H.265 hardware codec to implement 4K ultra-HD video.
- ◀ Adaptive Definition Enhancement (ADE) is adopted to improve the definition by 20%.
- ◀ Accurate Color Reproduction (ACR), presenting images in true color in the actual environment, through which you won't miss anything.

HD Video

vS

4K Ultra-HD Video

- ◀ Traditional dual screens were only able to display different content sources.

- ◀ One static and dynamic wallpaper covers two screens. Different content sources can be displayed on two screens in local meetings.
- ◀ The composite of remote video including speaker close-up and continuous presence can be displayed.
- ◀ White boarding on two screens creates more spaces for free collaboration.



Dual Screens,
Working Separately

vS

Dual Screens, Working
as One Screen

Features

Functions and Features

Ultra-HD video

- Huawei's proprietary VME technology, combined with H.265-based encoding and decoding for video and content, delivers a 4K ultra-HD video experience.
- Intelligent face detection and backend video processing enhance light adaptability, reduce bandwidth consumption, improve image definition, and enhance motion images.

Hi-fi audio

- Acoustic Echo Cancellation (AEC), Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), VoiceClear, AudioEnhancer, and lip synchronization
- Opus, Forward Error Correction (FEC), Backward Error Correction (BEC), Packet Loss Concealment (PLC), Net Automatic Transfer-Enhancement (netATE), and Audio Jitter Buffer (AJB)
- Support for cascading of two CloudLink Mic 500 microphones

Intelligent content sharing

- 4K ultra-HD content sharing
Wired and wireless presentation
- AirPresence is the wireless sharing client developed for CloudLink series endpoints and runs on a laptop or mobile device. Using the AirPresence mobile client, you can share content, place a call, join a meeting, adjust the volume, turn the microphone on or off, adjust the camera angle, and control the endpoint through the virtual remote control. When a participant is sharing content using AirPresence, other participants are still allowed to start sharing, but the existing content sharing session will be dropped. Up to three AirPresence clients can connect to the same endpoint.

Dual-screen display

- One panoramic static or dynamic wallpaper covers two screens.
- A layout that consists of the speaker and continuous presence is allowed on two screens.
- Multiple content sources can be displayed on two screens.

Collaboration

- The RoomPresence 65-T supports both local and remote whiteboard collaboration.
- The RoomPresence 65-T automatically displays a whiteboard when a user takes a pen from its dock.
- The RoomPresence 65-T supports multi-touch. Various operations are supported, including Write, Drag, Circle to Select, and Erase by Gesture.

Multistream meeting

- Multiple terminals can connect to one meeting. With the multistream video capabilities, you can choose to view video of other participants as needed. Fewer resources are consumed and latency is also reduced.

Multiple layouts

- Video and content can be displayed on one screen, but in different panes. In a data conference, you can view the composite of the participant video, whiteboard, and shared content.

Network adaptability

- The RoomPresence utilizes Super Error Concealment (SEC), Hybrid Automatic Repeat Request (HARQ), and automatic deceleration to deliver clear and smooth video even when the packet loss rate reaches 30%.

Homegrown core technologies

- Secure and reliable, with self-developed software and hardware, including Kunpeng CPU
- Core audio and video technologies: audio and video capability enhancement, H.264/H.265/super-resolution technology, QoS network optimization technology, anti-feedback technology, active noise suppression algorithm, and virtual background replacement

Specifications

Components

Ultra-HD LCD screens, ultra-HD codec, ultra-HD camera, microphone array, CloudLink Touch, cables, power supply, and stand

Communications Protocols

Multimedia framework protocols	ITU-T H.323, IETF SIP
Video codec protocols	H.265, H.264 HP, H.264 BP, H.264 SVC, H.263, and H.263+
Audio codec protocols	G.711, G.711A/G.711U, G.722, G.729A, AAC-LD, and Opus
Dual-stream protocols	ITU-T H.239, Binary Floor Control Protocol (BFCP), and data
Other communications protocols	H.225, H.235, H.241, H.245, H.281, H.350, H.460, RFC2833, LDAP, and LDAPS
Network transmission protocols	TCP/IP, RTP, RTCP, DHCP, DNS, SMTP, SNMP, SNTP, Telnet, SSH, HTTP, HTTPS, and TR-069

Video Features

Video resolution	<ul style="list-style-type: none"> · H.264 (min. bandwidth required) <ul style="list-style-type: none"> 1080p 60 fps at 1 Mbit/s 1080p 30 fps at 512 kbit/s 720p 60 fps at 768 kbit/s 720p 30 fps at 384 kbit/s · H.265 (min. bandwidth required) <ul style="list-style-type: none"> 4K 30 fps at 2 Mbit/s 1080p 60 fps at 768 kbit/s 1080p 30 fps at 384 kbit/s 720p 60 fps at 512 kbit/s 720p 30fps at 256 kbit/s
Content resolution	<ul style="list-style-type: none"> · Input-HDMI: <ul style="list-style-type: none"> 3840 x 2160 25/30 fps, 3200 x 1800 30 fps, 2880 x 1800 30 fps, 2880 x 1620 50 fps, 2560 x 1600 60 fps, 2048 x 1536 60 fps, 1920 x 1200 60 fps, 1680 x 1050 60 fps, 1600 x 1200 60 fps, 1600 x 900 60 fps, 1440 x 900 60 fps, 1400 x 1050 60 fps, 1366 x 768 60 fps, 1360 x 768 60 fps, 1280 x 1024 60/75/85 fps, 1280 x 960 60 fps, 1280 x 768 60/75/85 fps, 1280 x 800 60 fps, 1024 x 768 60/70/75/85 fps, 800 x 600 56/60/72/75/85 fps, 720 x 400 85 fps, and 640 x 480 60/72/75/85 fps · Codec resolutions: 3860 x 2160, 1920 x 1080, 1280 x 720, 1280 x 1024, 1024 x 768, and 800 x 600 · Outputs: 1920 x 1080, 3840 x 2160
Other video features	Various display modes, such as Picture in Picture (PiP) and Picture out Picture (PoP), Video Motion Enhancement (VME), VideoIntensifier, and ViewProcessing
Audio features	Acoustic Echo Cancellation (AEC), Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), VoiceClear, AudioEnhancer, and lip synchronization

Security and Stability

Network adaptability	IPv4/IPv6, DiffServ, and URI dialing Super Error Concealment (SEC), Automatic Repeat Request (ARQ), Forward Error Correction (FEC), Intelligent Rate Control (IRC), and Backward Error Correction (BEC)
Security management	H.235/TLS for signaling encryption and SRTP for media encryption Meeting access password, meeting control password, administrator password Dual-stream encryption
Firewall traversal	H.460-based traversal between private and public networks, static network address translation (NAT), and security traversing gateway (STG)
Bandwidth	IP: 64 kbit/s to 8 Mbit/s

Environmental requirements

Environmental requirements	Temperature: 0°C to 40°C (32°F to 104°F) (in use) -40°C to +70°C (-40°F to 158°F) (idle) Relative humidity: 5% to 95% (in use) 5% to 95% (idle) Ambient noise: < 46 dBA SPL
Regulatory compliance	Regulatory compliance CCC, CE (RoHS, REACH, and WEEE), VCCI, RCM, Network Access License of MIIT, and Radio Type Approval Certification

Specifications

Physical Specifications

Electrical features	Working voltage: 100 V to 240 V AC Working frequency: 50 Hz to 60 Hz Max. power consumption: 600 W Embedded AC/DC power module			
Model	RoomPresence 65S	RoomPresence 75S	RoomPresence 65D	RoomPresence 65T
Screen	Single 65 inch	Single 75 inch	Dual 65 inch	Dual 65 inch
Video Resolution	4K	4K	4K	1080P60
Camera	12 x optical zoom	12 x optical zoom	12 x optical zoom	5 x digital zoom, tracking camera
Dual stream	4K30+4K30	4K30+4K30	4K30+4K30	1080P60+1080P60
Dimensions (H x W x D)	1650 x 1485 x 860 mm	1760 x 1707 x 860 mm	1650 x 2950 x 860 mm	1816 x 3026 x 860 mm

Ordering Information

Category

Image

HUAWEI RoomPresence 65S



HUAWEI RoomPresence 75S



HUAWEI RoomPresence 65D



HUAWEI RoomPresence 65T



Warranty Information

The RoomPresence has a 1-year warranty for hardware and 90-day online technical support for software.

Learn More>>>



Huawei Video Conferencing Solution



CloudLink Collaborative Telepresence Products

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