

HUAWEI TP3206-70

HUAWEI Telepresence



The HUAWEI TP3206-70 is a next-generation immersive telepresence system that integrates Huawei's brand-new codec and cutting-edge technology. The TP3206-70 features a proprietary panoramic camera, image fusion technology, 70-inch display, and multi-channel audio technology that supports accurate sound localization. For up to six participants in a meeting room, the TP3206-70 can deliver a superior face-to-face communication experience with remote participants.

Internationally Renowned Design, Superb Conference Experience

Uses a compact, ergonomic, and high-end design, seamlessly integrating the camera, microphone, speaker, screen, and other components. Provides easy-to-open front panels for installation and maintenance. Supports not only remote meetings, but also file sharing, presentations, and other functions for local meetings of up to 10 people. Optimizes lighting, color, and sound fields to deliver a perfect conference experience.

True-to-Life Ultra-HD, Impressive Video Quality

Uses Huawei's patented co-optical center panoramic seamless imaging and image fusion technologies, combined with 70-inch narrow-gap stitching screens, to provide 1:1 true-to-life video images of participants. Supports both Standing and Seated camera modes, with Standing mode providing a complete image of a standing participant. Provides 22-inch widescreen tabletop displays with a 16:9 aspect ratio to automatically display shared content at the resolution of up to 1920 x 1080.

Highly Integrated Codec with Excellent Performance

Incorporates multiple components into the telepresence engine to maintain high performance and compact size. Supports encoding and decoding of 3-channel 1080p 60 fps video and 1-channel 1080p 60 fps presentation to provide clear, smooth images. Uses H.264 HP and Huawei's Video Motion Enhancement (VME) 2.0 technology to deliver 1080p 30 fps video even when bandwidth is only 3 Mbit/s. Leverages H.264 Scalable Video Coding (SVC) and Super Error Concealment (SEC) 3.0 to provide an optimal audio-visual conference experience even when packet loss rate reaches 20%.

Multiple Audio Channels and Microphones, Accurate Sound Localization in Every Corner

Embeds six microphones into the conference table, ensuring accurate sound localization. Supports AAC-LD-based 3-channel wideband audio with a maximum sampling rate of 48 kHz. Uses Acoustic Echo Cancellation (AEC), Automatic Gain Control (AGC), and Automatic Noise Suppression (ANS) to deliver a compelling cinema-level sound localization experience.



Wide Variety of Functions, Easy Operation

Allows users to easily operate the telepresence system from a Huawei-developed touch panel.

Adopts a user-centered design to enable users to join meetings, mute microphones, make calls, share presentations (plug-and-play supported), and obtain online help at the tap of a button.

Provides a wide array of conference control functions, such as initiating a call directly from an endpoint (SiteCall), viewing specific sites, viewing multiple groups of continuous presence, setting continuous presence as the chair, and performing voice activation.

Provides a unified management UI for meeting room devices to help you easily complete configuration, upgrades, status detection, and diagnosis tasks.

Maximized Return on Investment

Interworks with traditional video conferencing systems to maximize the use of legacy devices and network resources and protect customers' original investments.

Reduces bandwidth, energy, and space consumption, reducing TCO by 30%.

Powerful Network Adaptability, High Security and Stability

Uses Huawei's Intelligent Rate Control (IRC) technology to deliver smooth video at the optimal resolution for a specific bandwidth.

Supports H.235-based signaling and media stream encryption, GK registration password authentication, and meeting password authentication to strengthen meeting security.

HUAWEI TP3206-70 Specifications

Category	Item	Specification
System components		Telepresence codec TE80, panoramic camera, 70-inch ultra-narrow bezel displays, tabletop displays, embedded microphones, high-fidelity speakers, dedicated touch panel, conference table, and chairs (optional)
	Communications framework	IETF SIP, ITU-T H.323
	Video protocols	H.263/H263+, H.264 BP, H.264 HP, H.264 SVC
Communications protocols	Audio protocols	G.711, G.722, G.728, G.719, G.729, G.729A, AAC-LD, HWA-LD
	Video format	1080p 50/60 fps, 1080p 25/30 fps, 1080i 50/60 fps, 720p 50/60 fps, 720p 25/30 fps, 4CIF/4SIF, 2CIF/2SIF, CIF/SIF
	Presentation protocols	H.239, BFCP
	Other communications protocols	H.225, H.233, H.235, H.241, H.245, H.281, H.283, H.350, H.460, T.140
	Network transport protocols	IPv6/IPv4, TCP/IP, FTPS, DHCP, SNMP, HTTP, HTTPS, SSH, PPPoE, RTP, SRTP, RTCP
IP line bandwidth		720p 30 fps minimum: 2.3 Mbit/s; recommended: 3 Mbit/s
		720p 60 fps minimum: 3 Mbit/s; recommended: 4.5 Mbit/s
		1080p 30 fps minimum: 3 Mbit/s; recommended: 4.5 Mbit/s
		1080p 60 fps minimum: 6 Mbit/s; recommended: 9 Mbit/s
Screens	Display	Size: 70 inches Resolution: 1920 x 1080
	Dedicated touch panel	Size: 9.6 inches
	Tabletop display	Size: 22 inches Resolution: 1920 x 1080
Camera		4K 30/60 fps 1/1.7-inch CMOS image sensor
Environment	Temperature	Operating temperature: 0°C to 40°C (32°F to 104°F) Storage temperature: -20°C to +60°C (-4°F to +140°F)
	Relative humidity	20% to 80%
	Ambient noise	< 40 dBA SPL
	Recommended luminance	300 lux (for faces)
	Minimum meeting room size (H x W x D)	2440 mm x 6400 mm x 4090 mm
	Recommended meeting room size (H x W x D)	2700 mm x 8000 mm x 4590 mm
	Voltage	100~240 V AC, 50~60 Hz
Power supply	Power consumption	< 2010 W (excluding the lighting and air conditioning systems)