HUAWEI UGW9500
— Universal Media Gateway

The HUAWEI UGW9500 is the industry's first gateway to support interoperability between Telepresence Interoperability Protocol (TIP)–based telepresence systems and other video endpoints based on different protocols. The UGW9500 supports H.323, TIP, IP Multimedia Subsystem (IMS), and HD resolutions up to 1080p30, allowing Huawei's and other major vendors' video endpoints to communicate with telepresence systems based on TIP.

HD Interoperability
Complies with the ITU-T's H.323 protocol and the IETF's Session Initiation Protocol (SIP), supports audiovisual encoding standards of the ITU-T, ISO and IEC, and enables 1080p30 HD communication with TIP-based telepresence systems, providing users with excellent videoconferencing experience.

Comprehensive Compatibility
Supports TIP.
Allows Huawei's three-screen /single-screen telepresence systems and HD/SD/desktop video endpoints to join conferences initiated by TIP-based telepresence systems and place/receive point-to-point calls to/from TIP-based telepresence sites.
Allows other major vendors' video endpoints to communicate with TIP-based telepresence systems or sites (requiring adaptation of media streams, which occupies more resources).

## Easy to Deploy, Protecting Customers' Investments
Box-shaped, with a built-in gatekeeper for independent networking. Provides an easy-to-operate built-in web server, requiring only simple configuration of relevant network elements to enable communication between different devices.
Allows major vendors' video endpoints to communicate with TIP-based telepresence systems over H.323 or IMS networks.
Requires no reconstruction of existing networks for capacity expansion, protecting customers' investments.

Advanced Architecture Design
Based on a cutting-edge full-mesh hardware platform, provides powerful media processing capabilities. Runs an embedded real-time operating system, effectively preventing virus and hacker attacks and ensuring 24/7 stable operation.
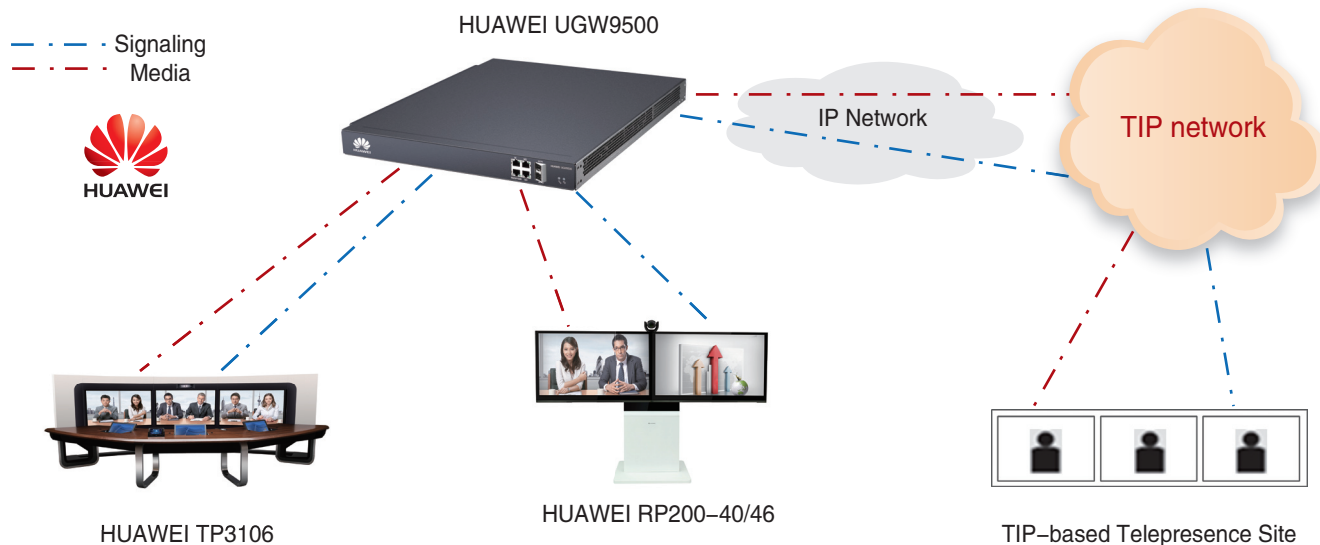
Communication between Huawei's and TIP–based Telepresence systems

HUAWEI UGW9500 Technical Specifications

Ports and Capabilities

Configuration (Supported Ports)	Capabilities
06	2 channels of tri-screen telepresence or 6 channels of 1080p30 4Mbit/s HD video (direct forwarding). 3 channels of 720p30 4Mbit/s HD video (when adaptation of media streams is required).
15	5 channels of tri-screen telepresence or 15 channels of 1080p30 4Mbit/s HD video (direct forwarding). 3 channels of 720p30 4Mbit/s HD video (when adaptation of media streams is required).
30	10 channels of tri-screen telepresence or 30 channels of 1080p30 4Mbit/s HD video (direct forwarding). 3 channels of 720p30 4Mbit/s HD video (when adaptation of media streams is required).
45	15 channels of tri-screen telepresence or 45 channels of 1080p30 4Mbit/s HD video (direct forwarding). 3 channels of 720p30 4Mbit/s HD video (when adaptation of media streams is required).

Performance Indicators and Physical Parameters

Videoconferencing standards
- Videoconferencing standards: ITU-T H.323, IETF SIP, and TIP

Audiovisual capabilities
- Audio capabilities: G.711, G.722, G.728, and AAC-LD/LC
- Video capability: H.261 CIF
  H.263 CIF and H.263 4CIF
  H.264 CIF, H.264 4CIF, and H.264 720p30F
  H.264 720p60F and H.264 1080p30F

Maintenance and management
- Usage: Web, Telnet

Network ports
- Two Gigabit Ethernet ports: 10M/100M/1000M, RJ45
- One Fast Ethernet port: 10M/100M, RJ45
- One RS232 port: RJ45
- Two SFP ports: 1000M optical port

Physical specifications
- W x D x H: 436 mm x 540 mm x 43.5 mm
- Weight: < 15 kg

Power supply and power consumption
- Input voltage: 100–240 V AC
- Frequency range: 50/60 Hz
- Power consumption: < 250 W

Environmental requirements
- Operating temperature: Long-time working: 0℃ to 45℃
  Short-time working: −5℃ to +45℃
- Relative humidity: 5% to 90% (non-condensing)
- Air pressure: 70–106 kPa (70 kPa is equal to the atmospheric pressure at the altitude of 3000 m)
- Noise: < 65 dB
- Electromagnetic compatibility: ETS300 386-2, IEC61000-4-2, and IEC 61000-4-4

Reliability
- Mean time between failures (MTBF): 100,000 hours

Certification
- RoHS, WEEE, 3C and CE