



HUAWEI TP1002

Ultimate HD Telepresence, Immersive Experience and Ease of Use.



In today's fast-paced global economy, business is being made between companies and partners distributed around the world, day and night. It is obvious that he who is acting fast upon the market demand will win the game.

HUAWEI TP1002 brings people together in a best ever virtual meeting experience and enables face to face collaboration as personal as being in the same room. It is a cost-effective solution which helps reduce costs and accelerate decision-making for enterprises.

Immersive Experience With HD Video and Directional Sound

HUAWEI TP1002 offers a real-life telepresence experience, with a wonderful combination of high-resolution video, and crisp, spatial audio powered by the industry leading technologies. TP1002 is capable of delivering HD 1080p60 video stream, and AAC-LD broad band audio for smooth and successful collaboration.

Ease of Use

With an innovative and trendy touch screen GUI (Graphical User Interface), TP1002 enables users to operate the system easily and efficiently, which helps Huawei stay ahead of competition.

Unmatched Network Adaptability and Stability

IP technology is evolving, but there are always times that the live video quality is undermined due to QoS issues. With Huawei SEC (super error concealment) and IRC (intelligent rate control) technology, HUAWEI TP1002 is able to keep producing good video quality even if there are significant packet loss or low bandwidth, latency and jitter over the network.

High Interoperability and Reliability

Huawei develops standard-based telepresence system, making sure it's highly interoperable with mainstream telepresence equipments, including telepresence based on TIP.

People now tend to concern more about the security of videoconference call, and Huawei has the solution to address the problem. HUAWEI TP1002 adopts standard-based H.235 and AES encryption techniques to ensure that your videoconference call is well protected from malicious hacking and sniffing. The device configuration and setup is locked by admin password to avoid any misplay.

HUAWEI TP1002 Key Features

Video Quality High Definition Standard-based 1920x1080 – 50/60fps 1280x720-60fps

Content Quality SXGA: 1280x1024

HD Monitors



HD Cameras Pan-Tilt-Zoom(PTZ)



HD Audio



HUAWEI TP1002 Specifications

System Components

- HUAWEI VP9039A-T codec
- Telepresence Camera HUAWEI TC101
- HiFi Microphone
- Telepresence Intelligence Control software
- 8.4" Color Touchscreen
- Power supplies
- Accessory kit

Telecom Standards & Protocols

- ITU-T H.323/H.320, IETF SIP

Video Standards & Protocols

- H.264, H.263, H.263+, H.261
1080p(50/60fps), 1080p(25/30fps),
720p(50/60fps), 720p(25/30fps), 4CIF, CIF

Bandwidth requirements

| Frame | Minimum | Recommended |
|-------------|---------|-------------|
| 720p 30fps | 768Kbps | 1.5Mbps |
| 720p 60fps | 1Mbps | 2Mbps |
| 1080p 30fps | 1Mbps | 2Mbps |
| 1080p 60fps | 2Mbps | 4Mbps |

Content Video Resolution

- H.239
- SXGA (1280×1024), XGA (1024×768),
SVGA(800×600), VGA (640×480)
- Support for multiple dual Live stream mode:
-1080p(25/30fps) and 1080p(25/30fps)
-720p(50/60fps) and 720p(50/60fps)
-720p(25/30fps) and 720p(25/30fps)

Audio Standards & Protocols

- AAC-LD, HWA-LD, G.722, G.722.1*,
G.722.1C*, G.711, G.728
- HWA-LD: Huawei broadband audio Low
Delay
- Acoustic Echo Cancellation (AEC)
- Acoustic Noise Suppression (ANS) 12 dB

- Automatic Gain Control (AGC) ±6 dB
- VoiceClear
- AudioEnhancer

Other ITU-Supported Standards

- H.221, H.225, H.230, H.231, H.233, H.234,
H.235, H.241, H.242, H.243, H.245, H.281,
H.283, H.350, H.460, T.140

User Interface

- Languages: English, French, Spanish,
Portuguese, Russian, German, Chinese
- Control mode: Touchscreen, Remote
control, Telnet, Web

Security

- H.235 signaling and media stream
encryption
- AES media stream encryption
- Conference access password
- Conference control password
- Administrator password
- H.323 ID and number binding
- IP address and number binding

Special Features

- Hybrid with IMS Network
- Active caption
- Group function
- SiteCall (HD dual stream)
- Call record
- Network address book
- Intelligent rate control (IRC)
- Super error concealment (SEC)

Maintenance Management

- Local and remote loopback
- Test signals: providing test sound and
standard test stripes
- Volume input indication
- IP network test

- Telnet: command line mode; providing
user-level and administrator-level login
accounts
- Local and remote software upgrades
- Embedded Web server, GUI interface
- Indication for network package loss
- Event log record
- Default settings restoration

Approval and Compliance

- CE
- RoHS

Power Supply & Power Consumption

- Working voltage: 100–240V AC
- Working frequency: 50–60Hz
- Power consumption: <1.2kw

Environmental Specification

- Operating Temperature: 0-40°C
- Operating Humidity: 10-90%
- Non-Operating Temperature: -40°-70° C
- Peripheral noise: < 40 dBA SPL
- Recommended illuminance: > 300 lux

Physical Characteristics

- Dimensions (L×W×H):
1780mm×730mm×1700mm
- Weight: 240 kg