



# HUAWEI TP1002S

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 TP1002S 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 TP1002S offers a real-life telepresence experience, with a wonderful combination of high-resolution video, and crisp, spatial audio powered by the industry leading technologies. HUAWEI TP1002S has immersive HD video, HD audio and HD content quality.

## Ease of Use

With an innovative and trendy touch screen GUI (Graphical User Interface), TP1002S enables users to operate 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 TP1002S 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 TP1002S 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 TP1002S 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 TP1002S Specifications

## System Components

- HUAWEI VP9039A-TS 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), 720p(30 fps)

## 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