



Enterprise Video Conferencing Server IPVT10

IPVT10 is a powerful on-premise video conferencing server designed for modern enterprise collaborations. It offers a state-of-the-art collaboration platform that provides a superior user experience and rich collaboration features including audio/video conferencing, screen/application sharing, and group/private chats. This enterprise video conferencing server features advanced meeting control tools, flexible customization options, and supports access from a variety of devices including video conferencing room systems, video phones, PC/Mac, Android/iOS mobile devices, PSTN trunk lines, and SIP PBXs. IPVT10 provides a centralized and scalable solution to manage an entire businesses' conferencing needs. It is ideal for enterprises with multiple locations who require an excellent visual communication experience that integrates remote employees, external customers or anyone off-site in an easy-to-use fashion.



300
participants

Supports up to 300 participants and 10 simultaneous conference sessions



Audio, video, charts & reports recording capabilities with 500GB local storage



1080p 30fps H.264/VP8 for real-time video and screen sharing



Up to 120 video feeds and 300 participants per single conference session



Live broadcast using Facebook/YouTube Live features



Advanced meeting control, flexible scheduling, customizable registration, invitation, follow-ups & reports



Advanced anti-jitter algorithm to sustain smooth audio & video against up to 30% packet loss



Access from PC/Mac, mobile devices, video conferencing systems, video phones, PSTN trunk, or SIP PBX



HTTPS and WSS/DTLS-SRTP encryption for WebRTC, TLS/SRTP encryption for SIP

Application Functions	Built-in Video MCU, SIP Registrar Server, NAT Traversal Server, Enterprise Collaboration Server, Contacts Manager, Recording/Storage Server, WebRTC Server
Conference Capacity	Up to 120-way 1080p 30fps H.264 video/audio MCU Up to 300 participants (aggregate) with 2-way audio and 1-way 1080p 30fps H.264/VP8 video streaming, supports H.323 gateway Up to 10 meeting rooms simultaneously Supports up to 50 meetings of two parties, or 10 meetings of three parties
Video Support	H.264 BP/MP/HP, VP8, and HEVC/H.265 with up to 1080p 30fps resolution and 6Mbps bit rate per stream
Audio Support	Opus, G.722, G.711a/u, up to 48KHz wide-band audio mixing
Network Jitter Resilience	Advanced anti-jitter algorithms to sustain high quality audio/video against up to 30% packet loss Smart adaptation to dynamically adjust bandwidth between 64Kbps and 6Mbps based on network condition
Security	Support HTTPS and WSS/DTLS-SRTP encryption for WebRTC, and TLS/SRTP encryption for SIP Supports static defense settings including Ping Defense, SYN-Flood Defense, Ping-of-Death Defense, and Fail2Ban
Video Display	Support 2x2/3x3/4x4/5x5/6x6/7x7 Tile Video Layout, or 1 Primary + N Secondary (up to 7 secondary) Video Layout New Features: one meeting can be customized in 3 layouts. WebRTC Host can set different layouts for different participants
Active Speaker Highlight	Automated active speaker detection and highlight
Meeting Management	Support Immediate or Scheduled meetings/Webinars, multiple hosts/panelists, audio/video ON/OFF control Desktop/application sharing, group or private chat, Q&A, forced attendee Mute/Camera-Off/Exit by host Customizable content for meeting invitation/registration/reminder/post-meeting reports and follow-up Customized video screen banner subtitle with customizable display settings
Live Streaming	Support live streaming with Facebook and Youtube, and other live streaming platforms via RTMP push
Supported Devices	Grandstream GVC series video conference systems, GXV series video phones PC/Mac using WebRTC browsers, Android/iOS based mobile devices using Grandstream IPVideoTalk Mobile app Audio calling from PSTN SIP trunk or SIP based IPPBX, 3rd party SIP based video conference systems and video phones
Meeting Recording	Support up to 500GB local storage of audio/video/chats recording, meeting reports, etc
Deployment Scalability	Scalable architecture to support multi-server configuration with load-balancing and redundancy for large deployments Added docking NAS Storage supporting NFS mount feature
Multi-Language	English, German, French, Spanish, Chinese, Japanese, Arabic, etc
Power Supply	Redundant 550W power supplies
Network Interfaces	2x Gigabit network ports, 1x RJ45 IPMI network port
Auxiliary Interfaces	3x USB 3.0 ports, 3x USB 2.0 ports, and 1x VGA port
Physical Dimension	430mm (W) x 650mm (L) x 88mm (H), 2U rack design suitable for 19-inch cabinet and guide rail
Temperature & Humidity	Operations 0°C to 45°C Humidity 10%-90% Non-condensing
Compliance	FCC, CE, RCM