



InstaVC Pro MCU



Seamless Scalability for multi-party Collaboration with InstaVC Pro MCU

InstaVC Pro MCU

InstaVC Pro Multi Control Unit support the WebRTC, H.323 and SIP communication protocol, support H.263, H.264, H.264HP, H.261, VP8 and a variety of video compression algorithm, with strong throughout the fully complete solution capabilities, excellent functions of conference management, to the user provides the industry's highest level meeting experience.

Design description

InstaVC Pro MCU Provide multipoint conference function, protocol gateway function, GK call control and effective network resource management.

Connection ability

InstaVC Pro MCU has the ability to connect the H.323 and SIP and WebRTC video protocol, can be connected to the conference room, desktop PC, smart mobile phone, PAD and other terminals.

Key Features

- Browser WebRTC Client Dial in (Chrome, Firefox, Safari and Opera)
- H.323/SIP dial in, or dial out from Web server
- Standalone or using Gatekeeper
- Advanced Continuous Presence
- Automatic selection of best layout
- Video layout selection using remote control or web pages
- Over 10+ custom layouts
- Active speaker selection using remote control or voice activated
- Floor assignment through web page
- Text identification of sites
- Lecture Mode
- Full HD Business to Business Communication
- Performance in a sleek, design, featuring Rack server
- Investment Protection-High-scale, future-proof platform
- Up to 50 Ports Full HD MCU
- Power redundancy

Fully complete solution ability

InstaVC Pro MCU has the ability to fully complete solution.

Conference management function

Conference room reservation: according to the free resources of meeting room, conference room layout, the number of meeting staff to make an appointment and scheduling.

Equipment booking : Video terminal and MCU timed automatic video conference.

Ice (Interactive Connectivity Establishment) : Is used to generate media traversal candidates that can be used in WebRTC applications, and it can be successfully sent and received through Network Address Translation (NAT)s using STUN and TURN.

STUN (Session Traversal Utilities for NAT)

That complements ICE through NATs using UDP protocol. It Is be used by any device to determine the IP address and port allocated to it by a NAT.

TURN (Traversal Using Relays around NAT)

Assists in the traversal of network address translators (NAT) or firewalls for webRTC applications. TURN Server allows client to send and receive data through an intermediary server. The TURN protocol is the extension to STUN.

Technical Specifications:

Protocols

Communications : H.323, SIP, WebRTC, H.239/BFCP, H.235/TLS/SRTP

Video coding protocols : H.264, H.264HP, H.263, H.261, VP8

Audio encoding protocols : G.711, G.722.1C, G.728, G.722.1C, OPUS

Video resolutions : 4CIF, VGA, 720P, 1080P

FPS : 1080P 30FPS

Dual Video

Support H.239, Dual Video, BFCP.

Using H.239, support H.264 video encoding format.

Maximum support dual 1080P60 video.

Embedded registration mechanism

Embedded Gatekeeper

Maximum support at the same time register 200 points.

Key Features

- Easy, secure access from anywhere
 - Multitier Web-based management
- Anytime, on demand conferencing
 - Always-on virtual meeting rooms
- PeopleLink InstaVC Pro series- Full High Definition video, audio, and content sharing.
- Support - Automatic Gain control & Noise Suppression
- Support TCP & UDP protocols
- Number of Concurrent Meetings
 - 10 or more
- System IPv6 ready - Yes
- Support Telnet/USB/RJ45/SSH

Multi split screen function

Maximum support 25 split screen, also supports 1, 2, 3, 4 + 1, 5 + 1, 7 + 1, 9, 12 + 1, 16, 20, 25 split screen.

Can switch a variety of dynamic split screen mode.

Support CIF, 4CIF, 720p, 1080p and other resolution of the multi screen mode.

Multi screen mode in each sub screen display content, can be manually, automatically and in turn three ways to select.

Conference subtitles

Support static and dynamic text subtitles, you can adjust the color, background, transparency, speed.

Appointments and notice

Supports two kinds of definitions of temporary meeting and appointment meeting.

Provide conference template, you can make an appointment through the meeting template.

Technical Specifications:

Meeting capability :

Support the 10/16/20/24/30/50 points 1080P HD Conference.

Support video conference terminal and audio conference terminal to join the same conference.

Support for different rates of terminal access to the same conference.

Support for different audio and video protocols of terminal to join the same conference.

Maximum support the 50 points audio terminal access.

Support conference call bandwidth 64Kbps to 8Mbps.

Support terminal encryption initiation mode.

Encryption Support - AES 128 bit

FECC :

Specify the venue to be controlled to achieve the remote control function.

With the use of multi split screen, so that the process of more natural and convenient.

Can control H.323 endpoints with SIP and Vice versa.

Device management :

WEB control.

Conference management software control.

Conference mode :

Support meetings with different protocols, different resolutions and different rates.

Support Lecture Mode, Broadcasting Mode,

In turn mode, main venue can browse the various sub fields in real time.

All or the designated venue mute function.

Support for automatic reconnect.

Voice conference access :

Support voice terminal to join the conference.

Support SIP phone to join the conference.

Conference management software (optional)

Meeting room and conference time reservation.

Participants telephone,

Recording :

Automatic and Manual recording at the server end.

Other functions :

Support system log function, CDR reports, Port use history, Resource usage, record system operation information.

Support Diffserv, TOS and IP priority QoS functions

Media Stream Stats

Ethernet Ports : 2

MCU cluster service : (Optional)

It can support 300+2MHD1080Pcalls in one conference or different conferences.

Redundancy support,

Load Balance.

Failover recovery

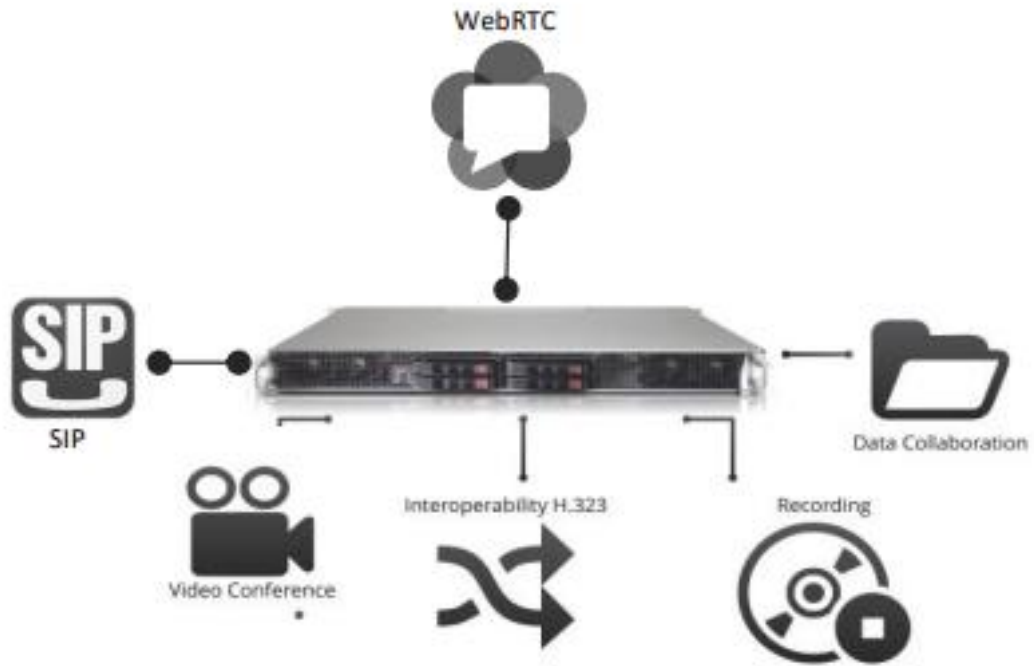
Auto Cascade

Data Collaboration :

screen sharing

Whiteboard (WebRTC)

Chatting (WebRTC)



Ordering Information:

InstaVC Pro MCU (10 Ports)	:	IVC-MPC-MCU-10P
InstaVC Pro MCU (16 Ports)	:	IVC-MPC-MCU-16P
InstaVC Pro MCU (20 Ports)	:	IVC-MPC-MCU-20P
InstaVC Pro MCU (24 Ports)	:	IVC-MPC-MCU-24P
InstaVC Pro MCU (30 Ports)	:	IVC-MPC-MCU-30P
InstaVC Pro MCU (50 Ports)	:	IVC-MPC-MCU-50P
InstaVC Pro MCU (100 Ports)	:	IVC-MPC-MCU-100P
InstaVC Pro MCU (150 Ports)	:	IVC-MPC-MCU-150P
InstaVC Pro MCU (250 Ports)	:	IVC-MPC-MCU-250P

LEARN MORE

For more information on InstaVC Pro MCU [Click Here](#)

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