

How Can You Get the Benefits of Enterprise-grade Video Conferencing without the High Price Tag?



Endpoint Freedom for Cost-Effective Voice & Video Conferencing

- **High Definition (HD) Voice and Video** – Supports video resolutions of up to 720p and Wideband HD Voice for unmatched quality and density
- **Simple Solution with Intuitive Web Management** – Installs and operates within minutes in any IP network environment, using a simple Web interface
- **Seamless Interoperability and Smooth Transcoding** - Built on a field-hardened media processing foundation; provides standard-based SIP protocol to connect a wide variety of devices such as IP video phones, laptops, tablets, smartphones and room systems
- **Reliable, Flexible Telephony** - Unique PBX design ensures the reliability of a proprietary telephony system, while providing the flexibility, scalability, easy integration and competitive pricing afforded by an open source platform (XV3000 model)

The XV3000 is a bundled solution that comprises a video conferencing control center with full telephony capabilities for the entire organization.



XV Series Product Specification Highlights

XV3000/XV0500 MCU Specifications

Standards-based Signaling/Coding

Able to connect different devices, from room systems to desktop video phones, to video clients running on smart phones or tablets. Transcodes the video conference providing the best available video conference quality to every participant.

Signaling

SIP (Session Initiation Protocol), according to the following RFCs: RFC3261, RFC4566, RFC2976, RFC3262, RFC3263, RFC3264, RFC4317, RFC3581, RFC3966, RFC4028, RFC2833, RFC3550, RFC3551, RFC 3951, RFC3952

Conferencing Types

Support for both voice-only bridge or voice and video conferencing capabilities

Voice Codecs

G711a, G711u, G729, G722.1, G723, iLBC

Video Codecs

MPEG4, H263, H264

Video Resolution

QCIF, CIF, VGA, 4CIF and HD (720p)

Great Performance for SMB*

- **Normal Conference Room (CIF)**
1 conference room instance with 15 participants/12 viewable, or 2 simultaneous conference rooms with 15 participants/6 viewable
- **High Conference Room (VGA)**
1 conference room instance with 15 participants/10 viewable
- **HD Conference Room (720p)**
1 conference room instance with 15 participants/5 viewable
- **Voice-only Conference**
Up to 12 simultaneous conference rooms with 30 participants per room

NAT/PAT Traversal Capabilities

Network and Port Address Translation capabilities for firewall traversals

Transmitted Bandwidth from MCU

- HD Participant: 2 Mbps HD (1280X720) 15 FPS
- VGA Participant: 1.2 Mbps VGA (640X480) 30 FPS (High Conference) / 15 FPS (HD Conference)
- CIF Participant: 320Kbps CIF (352X288) 24 FPS

* Performance may improve or degrade depending on endpoint capabilities.

Minimum Bandwidth to MCU

The minimum required bandwidth from connecting endpoints is as follows:

- **HD Participant:** 1.2 Mbps
- **VGA Participant:** 320 Kbps
- **CIF Participant:** 320 Kbps

Configurable Meeting Rooms

A conference meeting room can be provisioned at any time, and used at any time. The conference rooms can be configured as voice-only or voice and video conference rooms.

Multiple Access Numbers

Supports multiple access numbers, which can be registered in a SIP network as an endpoint or SIP trunk.

VIP Participants

Participants may be recognized by the system and automatically connected to a predefined bridge; useful when connecting multiple conference rooms to a preset configuration.

Leader-based Moderation

Conference rooms can be moderated by a leader or set as unmanaged, to be used as needed. Dashboard enables the moderator to do the following:

- Set the dominant speaker
- View participant media information
- Mute/Unmute Voice
- Mute/Unmute Video
- Disconnect a participant
- Mute/Unmute all participants
- Invite multiple participants (Dial Out)
- Change the default layout to **Equal** or **Dominant** based layout

Dynamic Video Layouts

As video participants join/leave the conference, the layouts automatically adjust to provide the optimal coverage of all viewable participants.

Energetic Voice Detection – Dominant-Based Layout

Participant placement within the dominant speaker layout is updated based on continual measurement of all active voice participants. The resulting top participants are displayed.

SIP Desktop Sharing

Proprietary SIP desktop sharing mechanism (check Xorcom Web site for current list of compatible endpoints)

Dynamic, Intuitive Web Management

Built in simple Web management allows users to configure the system, provision conferences, and monitor and control conferences in real time.

Multiple Language Support

The management system is provided with localization support for different languages; additional languages can be added easily.

End Point Compatibility

For the most up-to-date information visit the Xorcom Web site.

XV3000 IP-PBX Specifications

Telephony Configurations

The 2U XV3000 MCU series is available in four configurations:

- XV3000/NU: no telephony module support
- XV3047 – 1 PRI (E1 or T1) port
- XV3055 – 2 PRI (E1 or T1) ports
- XV3056 – 4 PRI (E1 or T1) ports

Models supporting telephony interfaces also include hardware echo cancellation for enhanced voice quality. Additional telephony ports can be supplied via USB-connected Astribanks.

IP-PBX Specifications

- **Max. Users:** 1000
- **Max. Concurrent Calls:** 480
- **Max. Analog Ports:** 800 (with Astribank add-ons)
- **Ethernet Port:** 10/100/1000 Mb/s
- **Hard Disk Drive:** 250 GB

Built-in Reliability

- RAID1 – dual hard drive
- Fan redundancy
- Rapid Recovery™ - external backup and restore
- Internal backup and restore
- Restore to factory default
- Rapid Tunneling™ - secure access for remote troubleshooting

Software Specifications

- Asterisk® version 1.8x
- FreePBX™ GUI
- Elastix™ Asterisk distribution



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