Avaya Video Collaboration Solution for IP Office

Simple, Affordable, Comprehensive Video Collaboration

Video collaboration helps boost productivity and enhance relationships by enabling far-flung meeting participants to interact as if they’re all in the same room. The Avaya Video Collaboration Solution for IP Office is designed for small and midsize enterprises, integrating exclusively with Avaya IP Office. Whether meeting with partners in a remote office, customers across the country, or colleagues working from home, the Avaya Video Collaboration Solution brings the experience of a face-to-face meeting to anyone with an Internet connection and a PC, Mac or mobile device. See participants in HD video, share and annotate presentations or other content to help make meetings more productive, efficient and meaningful.

Use the Avaya Video Collaboration Solution as a video room system in a conference room, or as a “virtual meeting room” on your network, enabling participants to join collaborative sessions with virtually any device and easily connect to other video room systems. Remote participants join through their browser or mobile app – enabling users to stay in touch and the business to remain nimble.
Intuitive and Easy-to-Use
Most businesses don’t have the luxury of dedicated specific support personnel to place calls or manage meetings. In addition, maximum return on investment requires high adoption and use. Connecting with others is intuitive and easy with the Avaya Video Collaboration Solution, designed for end user self-service access with little or no training required. Participants simply join the virtual meeting room with their device of choice – PC, Mac, smartphone, tablet or video conferencing room system from Avaya or any other vendor and connect face-to-face with HD video to collaborate, view presentations or discuss important documents.

Easy Implementation
With the Avaya Video Collaboration Solution you can easily enable your own virtual meeting room on your network. Installation and ongoing management are simplified, and no specialized IT skills are required. Once you install the solution, start by simply clicking on a link to connect to your virtual meeting room. Remote participants download the web plug-in or free mobile app, and HD video collaboration is a reality on nearly any device. Encryption and automated firewall traversal enables users to easily connect with meeting participants inside and outside the organization while helping maintain security.

Desktop, Mobile, HD Video Room System
Meeting participants use the laptops, desktops and mobile devices they already own to collaborate from almost anywhere with the included software clients and downloadable apps.

The HD video conferencing room system configuration delivers maximum flexibility and value with features that can be costly upgrades in other vendor offerings. The room system is well equipped and includes dual HD channels for live video and content, HD audio and simultaneous H.264 High Profile for bandwidth efficiency along with Scalable Video Coding (SVC) for error resiliency. The PTZ camera offers 5x optical zoom and wide-angle capability for viewing details or an entire group. A range of affordable options is available to further enhance the room system experience including full HD 1080p support, control via an Apple iPad device and conference recording.

Rich Collaboration
Everyone sees all meeting participants simultaneously with HD multi-party continuous presence video. Easily share your screen or individual applications for enhanced security and privacy. Highlight elements of presentations, spreadsheets, documents and images with annotation tools. Standards-based content sharing helps ensure collaboration interoperability with any desktop, video conferencing room system or mobile device. Participants can even review previously shared materials instantly without disrupting the active meeting, perfect for those joining late.

Affordable All-in-one Solution
The Avaya Video Collaboration Solution delivers multi-party BYOD and HD video conferencing room system capabilities in a single, affordable and easy to deploy solution for small and midsize enterprises. It offers rich collaborative capabilities that help increase productivity, enhance customer service and lower the overall cost of doing business. Freely distributed desktop and mobile video clients for PCs, Macs, iOS and Android devices enable those inside and outside an organization to easily join a video meeting, while low-bandwidth video minimizes network impact and costs.
Avaya XT Server for IP Office Specifications

**Multi-party Connectivity**
- HD Multipoint Control Unit (MCU)
- IP: H.323, SIP (RFC 3261)
- Supports up to 9 combined Desktop / Mobile users and room systems in one conference (8 remote, plus 1 local room system)
- Automatic continuous presence video layouts to see everyone simultaneously
- Video mosaic up to 720p30 (1080p optional)
- Dial-in / Dial-out capabilities

**Video**
- HD video using H.264 and H.264 High Profile up to 720p (1080p optional)
- H.264 High Profile provides bandwidth savings of up to 30-50% over H.264
- Avaya NetSense dynamic bandwidth adaptation for variable network conditions and congestion

**Data Collaboration**
- H.239 (Mobile users receive only)
- Room system-compatible data collaboration
- Individually review previous data without interrupting presentation flow
- Annotation (Desktop users)
- Text chat with emoticons (Desktop users)

**Participant Controls**
- Mute / un-mute
- Stop / start video
- View participants list (Desktop users)

**Moderation Controls (Desktop users)**
- Invite participants by phone number, IP, E.164, SIP addresses
- Mute participants
- Disconnect participants
- Lock down meeting
- Terminate meeting

**Embedded Firewall and NAT Traversal**
- Automatic embedded firewall traversal
- Automatically handles local and remote NAT private networks

**Management**
- View utilization history for capacity planning and investment justification

**Security Features**
- Encryption for up to 4 connected room systems
- H.323 security per H.235v3 / Annex D
- SIP security per SRTP and TLS, enciphering up to AES-256
- SIP “Digest” authentication (MD5)
- RTP media enciphering with AES-128
- Public-Key including Diffie-Hellman (1024 bits), RSA (up to 2048 bits)
- Cryptographic hash (up to SHA-512)
- Web and console access HTTPS, SSH
- Selective enable / disable of IP features
- Desktop & Mobile Encrypted UI and signaling over HTTPS (AES-128)
- Desktop & Mobile Encrypted media over SRTP (AES-128)
- Access PIN for conference access

**Recording (optional)**
- Meeting recording on USB key / disk (requires 2 user connections to Server)
- USB disk formats: FAT32, EXT2, EXT3, EXT4
- MP4 file format

**IP Office Requirement**
- Avaya IP Office 8.1 or later

**Network Protocols**
- DHCP, DNS, HTTP, HTTPS, RTP/RTCP, SNTP, STUN, TCP/IP, TELNET, TFTP, 802.1Q, 802.1X

**Network Interfaces**
- 2 x 10/100/1000 Base-T full-duplex (RJ-45)

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**Avaya XT Endpoint with Embedded Server for IP Office Specifications**

(Additional Room System capabilities added to base Avaya XT Server)

**Communications**
- IP: H.323, SIP (RFC 3261)
- Bit rate: up to 12 Mbps

**Video**
- 2 simultaneous 720p60 channels (upgradable to 1080p60)
- H.263, H.263+, H.264, H.264 High Profile; also H.264 Scalable Video Coding (SVC) in point-to-point calls

**Data Collaboration**
- Dual video: H.239 (H.323); BFCP (SIP)
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**Audio**
- Frequency response: up to 50 – 20,000 Hz
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression
- Digital Microphone Array Pod (up to 2 cascaded PODs supported)

**Network Features**
- IPv4 and IPv6 simultaneous support
- QoS support: IP Precedence, IP Type of Service (ToS)
- IP adaptive packet management

**Firewall Traversal**
- Auto NAT discovery HTTP and STUN
- H.460.18, H.460.19

**User Interface**
- 24 language on-screen user interface
- Infrared remote control
- Avaya Scopia® Control application for Apple iPad device (optional)

**Directory Service & Address Book**
- LDAP Client (H.350)
- Receive global address book from LDAP server including Scopia Management

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**Avaya Video Collaboration Solution for IP Office Options**

- Full HD 1080p Upgrade
- 40x Camera Zoom Upgrade (10x Optical, 4x Digital)
- Recording on USB Key / Disk
- Scopia Control Application for Apple iPad Device
- Advanced Audio Codec Pack (G.728 and G.729A)
- Scopia XT Premium Camera
- Scopia XT Advanced Camera
- Scopia XT 3-way Microphone Array POD

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Support Services
Avaya offers a full set of services to help maximize a video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to business requirements.

Avaya Video Support Services maximizes up time with software updates, upgrades, remote maintenance and expert repairs.

About Avaya
Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya’s fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit www.avaya.com.

Learn More
To learn more and to obtain additional information such as white papers and case studies about the Avaya Video Collaboration Solution for IP Office, please contact your Avaya Account Manager or Authorized Partner or visit us at www.avaya.com.

Hardware

Power Supply
• 100-240 VAC, 50-60 Hz, 2.5 A Max.

Physical Characteristics
• Horizontal / Vertical Mounting (XT Server)
  W: 29 cm (11.4”)
  D: 16.5 cm (6.5”)
  H: 4 cm (1.6”)
  Weight: 2.4 kg (5.3 lb)

• Camera (included w/ XT Endpoint)
  W: 25.0 cm (9.8”)
  H: 15.2 cm (6.0”)
  D: 13.5 cm (5.3”)
  Weight: 1.6 kg (3.5 lb)

• Microphone Pod (included w/ XT Endpoint)
  W: 14.0 cm (5.5”)
  Weight: 0.3 kg (0.7 lb)

1 Multi-party Connectivity and related (Desktop and Mobile) are supported only when the endpoint is registered on IP Office proxy and Registrar server.
2 Encryption is subject to local regulations and in some countries is restricted or limited. Please consult your Avaya representative for details.