AVAYA

The Power of We™

Highlights

- Exceptional Experience

- Extraordinary Power

- Intuitive and Easy-to-Use

- Sleek and Elegant Design

- All-in-one Solution

Avaya Scopia® XT5000 Room System

Exceptional Experience, Extraordinary Power

The Avaya Scopia® XT5000 is our flagship product in the Scopia series of room systems. The XT5000 incorporates dual 1080p/60fps live video and content, HD audio, simultaneous H.264 High Profile and Scalable Video Coding (SVC), and multi-party calling. The PTZ camera, supporting 1080p/60fps, offers 10x optical zoom (40x digital) and wide-angle capability for viewing details and an entire group.

The second video stream can be used with an additional camera or for high resolution 60fps data and content sharing. An embedded MCU with support for continuous presence with up to 9 participants is available. The advanced audio system delivers CD-quality, 20 kHz audio and includes a three-way beam forming digital microphone pod that isolates the speaker from noise. The user interface is designed for simplicity along with Apple iPad control for enhanced capabilities. The XT5000's refinement not only enhances the user experience but its modern hardware design complements any conference room.

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H.264 High Profile and SVC, an embedded 9-way multi-party MCU, Apple iPad Multi-Touch control – all combine to make the XT5000 one of the most powerful conferencing systems ever created in its class.

Intuitive and Easy-to-Use

The Scopia XT5000 has been designed with the end user in mind. It delivers instant, intuitive and effective meeting control with little or no training required. With Microsoft Exchange calendar support, users can join meetings directly from the integrated system calendar. The advanced on-screen participants list gives leaders full meeting moderation. To further extend its user functionality, the system is also enabled for control via the Apple iPad device.

With more than 100 years as a leader in communications, Avaya can help your company maximize productivity with the communications solutions specific to the needs of your workforce.

Exceptional Experience

The Avaya Scopia® XT5000 sets the standard for an exceptional conferencing experience. Simultaneous HD 1080p/60fps for live video and content and CD-quality, 20 kHz audio deliver an outstanding experience. H.264 High Profile provides ultimate bandwidth efficiency and H.264 Scalable Video Coding (SVC) offers high network error resiliency. The XT5000 delivers excellent performance in real-world network conditions.

Extraordinary Power

The Scopia XT5000 harnesses extraordinary power for the most demanding conferencing applications. Two full 1080p/60fps video channels,

Sleek and Elegant Design

The XT5000's refinement and polish go beyond the user experience to the sleek and elegant hardware design of the system. The XT5000 is a natural fit for today's businesses.

All-in-one Solution

The XT5000 is also offered as a unique all-in-one video conferencing solution combining its room system capabilities with embedded 9-way multi-party conferencing, Scopia Desktop conferencing, and firewall traversal. Additionally, participants can utilize Avaya Scopia Mobile to join video conferences via the latest mobile devices.

Avaya Scopia® XT5000 Specifications

Communications
- IP: H.323, SIP (RFC 3261)
- ISDN[1] Supported through Scopia Gateway
- Bit rate: H.323, SIP: up to 6/12[1] Mbps; H.320: up to 2 Mbps
- MCU compatibility: H.243, H.231

Video[2]
- 2 simultaneous 1080p60 channels: camera + auxiliary camera[1] or camera + content
- H.263, H.263+, H.263++, H.264, H.264 High Profile, H.264 SVC
- Dual video: H.239 (H.323); BFCP (SIP)
- **HDMI input formats**
  1920 x 1080p @ 25, 30, 50, 60fps
  1280 x 720p @ 25, 30, 50, 60fps
  720 x 576p @ 50fps
  720 x 480p @ 60fps
  640 x 480p @ 60fps
- **Live video encoding formats**
  1920 x 1080p @ 25, 30, 50, 60fps
  1280 x 720p @ 25, 30, 50, 60fps
  1024 x 576p @ 25, 30fps: w576p
  768 x 448p @ 25, 30fps: w448p
  704 x 576p @ 25, 30fps: 4CIF
  704 x 480p @ 25, 30fps: 4SIF
  576 x 336p @ 25, 30fps
  512 x 288p @ 25, 30fps: wCIF
  400 x 224p @ 25, 30fps
  352 x 288p @ 25, 30fps: CIF
  352 x 240p @ 25, 30fps: SIF
- **DVI input formats**
  1920 x 1080p @ 60fps
  1600 x 900p @ 60fps (digital only)
  1440 x 900p @ 60fps: WSXGA
  1280 x 1024p @ 60, 75fps: SXGA
  1280 x 960p @ 60, 85fps: SXGA
  1280 x 768p @ 60fps: WXGA
  1280 x 800p @ 60fps: WXGA
  1280 x 720p @ 60fps
  1024 x 768p @ 60, 70, 75 fps: XGA
  800 x 600p @ 60, 72, 75fps: SVGA
  640 x 480p @ 72, 75fps: VGA
- **PC content encoding formats:**
  Up to DVI input formats @ 60fps
- **HDMI output formats**
  1920 x 1080 @ 25, 30, 50, 60fps
  1280 x 720 @ 50, 60fps

Camera
- Resolution: 1080p60fps
- Presets: 122
- Field of View (H): 8° - 70°
- PAN / Tilt: ± 100° / ± 25°
- Zoom: 10x optical, 4x digital, 40x total[3]
- Far End Control: H.224, H.281

Recording[4]
- Recording on USB key/disk (with dual display systems, both displays show the same images while recording; uses 2 ports of the 9 port MCU, no impact on 4 port MCU), not available with encrypted call
- USB disk formats: FAT32, EXT2, EXT3, EXT4
- Recording formats: MP4 file

Audio
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression

- **Frequency response:**
  G.711: 300 – 3,400 Hz
  G.728: 50 – 3,400 Hz[1]
  G.729A: 50 – 3,400 Hz[1]
  G.722, G.722.1: 50 – 7,000 Hz
  G.722.1 Annex C: 50 – 14,000 Hz
  AAC-LD: 50 – 14,000 Hz
  AAC-LC: 50 – 14,000 Hz
  G.719: 50 – 20,000 Hz

Digital Microphone Array Pod
- 360° range
- Frequency response: 50 – 22,000 Hz
- Mute button
- Up to 2 cascaded pods

Audio/Video Interfaces
- **Video inputs:**
  1 x HDMI
  1 x DVI-I
  3 x Additional HDMI[1]
- **Video outputs:**
  2 x HDMI for dual display
- **Audio inputs:**
  1 x HDMI
  1 x Microphone Array Pod (RJ-11)
  1 x 3.5 mm (1/8") line in jack for audio source (analog / digital with mini-TOSLINK adapter)
- **Audio outputs:**
  2 x HDMI
  1 x 3.5 mm (1/8") line out jack (analog / digital with mini-TOSLINK adapter)

USB Ports[5]
- 1 x USB2
- 1 x USB3

Network Features
- IPv4 and IPv6 simultaneous support
- Auto Gatekeeper discovery
- QoS support: IP Precedence, IP Type of Service (ToS), Differentiated Services (diffserv)
- Avaya NetSense bandwidth adaptation for high quality over unmanaged networks
- DTMF tones: H.245, RFC2833
- SNTP date and time synchronization
- **IP adaptive packet management**
  Flow control
  Packet Loss based down-speeding
  Packet Loss recovery policies

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

Scopia XT5000 Models	Scopia XT5000 Options (All)	Scopia XT5000 Options (720 only)
Scopia XT5000	Additional Premium Camera	Full HD (1080p) Enable
Scopia XT5000 720	Additional Digital Microphone Pod	2nd GLAN Interface Enable
	Advanced Camera, 20x Optical Zoom, Ceiling Mount, 1080p30	40x (10x Optical, 4x Digital) Zoom Enable
	4 HD Port Camera / Source Switch	Scopia Control
	4/9 Port 1080p30 Embedded MCU	Recording on USB Key / Disk
	Scopia Desktop & Mobile Support	
	Extended IP Bit Rate: Multipoint = 12 Mbps, P2P = 10/8 Mbps (SIP/H.323)	
	Advanced Audio Codecs	

Support Services

Avaya offers complete support services to help maximize your video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to your business requirements.

Avaya Video Support Services maximize up time with software updates, upgrades, and remote maintenance.

Avaya Video Managed Services enable organizations to enjoy a predictable, high-quality video collaboration experience that drives optimal levels of user adoption on any size deployment.

About Avaya

Avaya is a global provider of business collaboration and communications solutions, providing unified communications, contact centers, networking and related services to companies of all sizes around the world. For more information please visit **www.avaya.com**.

Network Interfaces
- 2 x 10/100/1000 Base-T full-duplex (RJ-45)[4]
- "Keep Alive" packet time configurable

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

Auxiliary Camera Interface
- VISCA RS232 for PTZ control (Mini-DIN 8-pin)

User Interface
- 24 language on-screen user interface
- Infrared remote control
- API for endpoint control
- Scopia Control application for Apple iPad[4]
- Microsoft Exchange calendar integration

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

Multipoint Control Unit[1]
- H.323, SIP and H.320 mixed mode
- 4 / 9 HD continuous presence participants
- Support for Scopia Desktop and Mobile[1]
- Dial-in / Dial-out capabilities
- Encryption for up to 4 connected participants
- Automatic video layouts
- Dual-video from any site (H.323, H.320)

Security Features
- Embedded encryption[6]
- 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

Web Management
- Configuration, call, diagnostics and management functions are accessible with:
  Internet Explorer 7.0+, Firefox 3.0+, Safari 3.0+, Chrome 16.0+

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

Physical Characteristics
- **Horizontal / Vertical Mounting:**
  W: 29 cm (11.4'')
  D: 16.5 cm (6.5'')
  H: 4 cm (1.6'')
  Weight: 2.4 kg (5.3 lb)
- **Camera / Optional Camera**
  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:**
  W: 14.0 cm (5.5'')
  Weight: 0.3 kg (0.7 lb)

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[1] Optional.

[2] Encoding format in XT5000 720 is limited to 720p60, upgradable with 1080p option.

[3] Zoom limited to 5x optical in XT5000 720, upgradable with option.

[4] Optional only in XT5000 720.

[5] USB supports recording, firmware upgrade, USB to serial adapter for control, limited headsets and cameras (USB2 camera support).

[6] Encryption is subject to local regulations and in some countries is restricted or limited. Please contact your Avaya representative for details.

Learn More

For additional information, or for an Avaya Scopia demonstration, contact your Avaya Account Manager or Avaya Authorized Partner or visit us at: **www.avaya.com**.