



The Power of We™

Scopia® XT5000 Room System

Exceptional Experience, Extraordinary Power

Highlights

- Exceptional Experience
- Extraordinary Power
- Intuitive and Easy-to-Use
- Sleek and Elegant Design
- All-in-one Solution



The Scopia XT5000 is Avaya's 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 3-way beam forming digital microphone pod that isolates the speaker from the noise. The user interface is designed for simplicity along with Apple iPad control for enhanced capabilities. The XT5000's refinement goes beyond the user experience to modern hardware design that complements any conference room.





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 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, H.264 High Profile and SVC, an

embedded 9-way multi-party MCU, 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 XT5000 is designed for the end user instead of IT and engineering departments. It leverages design principles of Avaya's award-winning iPad and iPhone applications and enables instant, intuitive and effective control - little or no training required. For an even better experience, the XT5000 is enabled for Multi-Touch control via the Apple iPad.

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, not only for its ease of use, but also its modern design that complements your conference room. Finally a powerful business system you can put on display and not hide in the closet.

All-in-one Solution

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

Scopia XT5000 Specifications

Communications

- IP: H.323, SIP (RFC 3261) Communications
- 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 (both using Baseline and High Profile)
- 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:

- 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)

- Meeting 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)

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: 50 – 7,000 Hz
- G.722.1: 50 – 7,000 Hz
- G.722.1 Annex C: 50 – 14,000 Hz
- AAC-LD: 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)
- 1 x USB2 (5)

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:

- 1 x HDMI
- 1 x 3.5 mm (1/8”) line out jack (analog / digital with mini-TOSLINK adapter)

Network Features

- IPv4 and IPv6 simultaneous support
- Auto Gatekeeper discovery
- QoS support: IP Precedence, IP Type of Service (ToS), Differentiated Services (diffserv)
- IP adaptive packet management including:
 - Flow control
 - Packet Loss based down-speeding
 - Packet Loss recovery policies
- DTMF tones: H.245, RFC2833
- SNTP date and time synchronization

Network Protocols

- TCP/IP, TELNET, HTTP, HTTPS, DNS, DHCP, RTP/RTCP, STUN, SNTP, TFTP

Network Interfaces

- 2 x 10/100/1000 Base-T full-duplex (RJ-45) (4)
- “Keep Alive” packet time configurable

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	
	12 Mbps Extended IP Bit Rate	
	Advanced Audio Codecs	

