



AVAYA

AVAYA SCOPIA® XT5000 ROOM SYSTEM

Exceptional Experience,
Extraordinary Power

HIGHLIGHTS

Exceptional Experience

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Extraordinary Power

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Intuitive, Easy to Use

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Sleek and Elegant Design

-

All-in-one, Easy to Deploy



The Avaya Scopia® XT5000 provides exceptional video, audio, and data quality along with ease-of-use designed to make users successful. 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. Available PTZ cameras offer up to 20x optical zoom (12x digital) to view details and include wide-angle capability for group participation.

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, 20kHz stereo audio for added presence to meetings, and the available three-way beam forming digital microphone pod isolates speakers from background noise. The user interface is designed for simplicity along with Apple iPad or iPhone control for enhanced capabilities. The XT5000's refinement not only enhances the user experience but its modern hardware design 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 Avaya Scopia XT5000 provides an exceptional meeting experience. Simultaneous HD 1080p 60fps for live video and content and CD-quality, 20kHz stereo audio deliver a comfortable, high clarity experience. H.264 High Profile provides 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 significant power for demanding conferencing applications. Two full 1080p 60fps video channels, H.264 High Profile and SVC, an embedded 9-way multi-party MCU, Apple iPad and iPhone control – all combine to make the XT5000 one of the most powerful video conferencing systems ever created in its class.

Intuitive, Easy to Use

The Scopia XT5000 delivers intuitive meeting control with little or no training required. With Microsoft Exchange calendar support, users can join meetings directly from the integrated calendar. The on-screen participant list gives leaders full meeting moderation, and with Avaya Screen Link, users can wirelessly present content from their laptops. Avaya Mobile Link enables seamless meeting transitions with your Avaya Equinox™ mobile UC application, while optional Apple iPad or iPhone control makes the system even easier to use.





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, Easy to Deploy

The Scopia XT5000 is also offered as a unique all-in-one video collaboration solution combining its room system capabilities with embedded 9-way multi-party conferencing, along with desktop and mobile connectivity for remote participants including firewall traversal. The system can also be automatically configured with minimal user intervention. A provisioning code entered at startup configures the XT5000 with a profile created through Avaya Equinox, enabling deployment without technical resources.

Available Cameras

				
Model	Advanced Camera 20x 1080p30	Premium Camera 10x 1080p60	Deluxe Camera 12x 1080p60	Flex Camera 5x 1080p60
Video Formats	1080p30/25 720p60/50/30/25	1080p60/50/30/25 720p60/50/30/25	1080p60/50/30/25 720p60/50/30/25	1080p60/50/30/25 720p60/50/30/25
Focal Length	4.7-94mm, f/1.6-3.5	3.4-33.9mm, f/1.8-2.1	3.9-47.3mm, f/1.8-2.8	4-20mm, f/2.8-3.9
Min. Object Distance (wide)	1cm (0.4")	10cm (4")	50cm (20")	30cm (12")
Min. Illumination	1.7 lx (f/1.6, 50 IRE)	1.5 lx (f/1.8, 50 IRE)	1.3 lx (f/1.8, 50 IRE)	1.6 lx (f/2.8, 50 IRE)
Field of View: H / V	55° / 33°	70° / 40°	74° / 44°	70° / 40°
Image Device	Exmor CMOS 1/2.8"	CMOS 1/3"	Exmor CMOS 1/2.8"	Exmor CMOS 1/2.8"
Optical / Digital Zoom	20x / 12x	10x / 4x	12x / 4x	5x / 8x
Pan, Tilt Range	+/-170°, +90°/-20°	+/-100°, +/-25°	+/-100°, +/-25°	+/-100°, +/-25°
Presets	122 (for all connected cameras, directly on XT system)			
Far End Camera Control	Through XT codec (H.224, H.281)			
Serial Control	Serial In - Out	Serial In - Out	Serial In - Out	Serial In
IR Repeater as TTL Signal	On pin 7 Serial In			
Ceiling Mount	Supported	Not Supported	Supported	Supported
Camera Mount	Includes kit for ceiling mount	Mount available for wall and display mounting	Mount available for wall and display mounting	Mount available for wall and display mounting
Weight	1.5kg (3.4lbs)	1.5kg (3.4lbs)	1.3kg (2.9lbs)	1.3kg (2.9lbs)
Dimensions w/h/d	14.5 x 16.4 x 16.4cm (5.7 x 6.4 x 6.4")	25.0 x 15.2 x 13.5cm (9.8 x 6.0 x 5.3")	26.8 x 15.6 x 12.4cm (10.6 x 6.1 x 4.9")	26.8 x 15.6 x 12.3cm (10.6 x 6.1 x 4.8")
Current Consumption	0.92A max.	2.2A max.	1A max.	1A max.

Available Microphones

		
Model	Scopia XT 1-way POD	Scopia XT Premium 3-way POD
Type	1 x condenser half cardioid	3 x condenser half cardioid
Audio Channels	1x mono	3x mono or 1x stereo
Frequency Response	30-20,000Hz	50-22,000Hz
Coverage	3m (9.8') radius cardioid / 180°	6m (19.7') diameter omnidirectional / 360°
Output Impedance / Configuration	250 ohm / Balanced	Digital / Custom interface
Sensitivity	-53dB +/-3dB	-37dB +/-3dB
Maximum SPL	130dB	110dB
Signal to Noise Ratio	>60dB	>68dB
Mute Switch	-	Yes
Cable Length and Connector Type	6m (19.7'), stereo jack 3.5mm (1/8") to Mini XLR 3 pole female	6m (19.7'), RJ11 6 pole plug
Weight	380g (0.8lb)	450g (1.0lb)
Dimensions w/h/d	12.0 x 2.0 x 11.0cm (4.7 x 0.8 x 4.3")	13.4cm (5.3") diameter x 2.5cm (1.0") h
Power Requirements	9-52V Phantom, 1.0mA max.	12V, 70mA max.

Scopia XT5000 Specifications

Communications

- IP: H.323, SIP (RFC 3261)
- Bit rate: H.323, SIP: up to 6/12Mbps
- MCU compatibility: H.243, H.231
- XMPP Presence Server support

Video

- 2 simultaneous 1080p60 channels: camera + auxiliary camera or camera + content
- H.263, H.263+, H.263++, H.264, H.264 High Profile, SVC
- Dual: H.239 (H.323); BFCP (SIP)
- Avaya Multi-Stream Switching (MSS) video²

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
848 x 480p @ 25, 30fps: w480p
768 x 448p @ 25, 30fps: w448p
704 x 576p @ 25, 30fps: 4CIF
704 x 480p @ 25, 30fps: 4SIF
624 x 352p @ 25, 30fps: w352p
576 x 336p @ 25, 30fps
512 x 288p @ 25, 30fps: wCIF
416 x 240p @ 25, 30fps: w240p
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
1400 x 1050 @ 60fps
1280 x 1024p @ 60, 75fps: SXGA
1280 x 1024 @ 60fps
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, 75fps: XGA
800 x 600p @ 60, 72, 75fps: SVGA
640 x 480p @ 72, 75fps: VGA

PC content encoding formats:

Up to 1080p @ 60fps

HDMI output formats

1920 x 1080 @ 25, 30, 50, 60fps
1280 x 720 @ 50, 60fps

Content Sharing / Web Collaboration

- Dual video: H.239 (H.323); BFCP (SIP)
- Avaya Equinox native web collaboration
- Avaya Equinox chat and web collaboration pointer tool via Scopia Control²

Recording

- Recording on USB drive (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)
- USB drive formats: FAT32, EXT2, EXT3, EXT4
- Recording formats: MP4 file
- Time watermark on recorded files²
- Digital signature for recorded files²

Audio

- Stereo audio with Premium 3-way POD
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression
- **Frequency response:**
 - G.711: 300–3,400Hz
 - G.728: 50–3,400Hz¹
 - G.729A: 50–3,400Hz¹
 - G.722, G.722.1: 50–7,000Hz
 - G.722.1 Annex C: 50–14,000Hz
 - AAC-LD: 50–14,000Hz
 - AAC-LC: 50–14,000Hz
 - G.719: 50–20,000Hz
 - Opus: 50–20,000Hz²

Audio/Video Interfaces

- **Video inputs:**
 - 1 x HDMI
 - 1 x DVI-I
 - 3 x Additional HDMI via switcher¹
- **Video outputs:**
 - 2 x HDMI for dual display
- **Audio inputs:**
 - 1 x HDMI
 - 1 x Microphone Array Pod (RJ11)
 - 1 x 3.5mm (1/8") line in jack for audio source (analog / digital with mini-TOSLINK adapter)
 - 3 x Additional HDMI via switcher¹
- **Audio outputs:**
 - 2 x HDMI
 - 1 x 3.5mm (1/8") line out jack (analog / digital with mini-TOSLINK adapter)

Auxiliary Camera Interface

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

USB Ports

- 1 x USB2
- 1 x USB3
- Supports recording, firmware upgrade, USB to serial adapter for control, limited headsets and USB2 cameras

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

Network Interfaces

- 2 x 10/100/1000 Base-T full-duplex (RJ45)

Firewall Traversal

- Auto NAT discovery HTTP and STUN
- H.460.18, H.460.19
- "Keep Alive" packet time configurable

User Interface

- 24 language on-screen user interface
- Infrared remote control
- API for endpoint control
- Scopia Control application for Apple iPad and iPhone
- Microsoft Exchange calendar integration
- Bitmap and logo customization¹

Directory Service & Address Book

- LDAP Client (H.350)
- Receive global address book from LDAP Server including Avaya Equinox

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 support services maximize up time with software updates, upgrades, and remote maintenance.

About Avaya

Avaya enables the mission-critical, real-time applications of the world's most important operations. As the global leader in delivering superior communications experiences, Avaya provides the most complete portfolio of software and services for contact center and unified communications—offered on premises, in the cloud, or a hybrid. Today's digital world requires communications enablement, and no other company is better positioned to do this than Avaya.

Multipoint Control Unit¹

- H.323 and SIP mixed mode
- 4 / 9 HD continuous presence participants
- Desktop and Mobile Client support¹
- Dial-in / Dial-out capabilities
- Encryption for up to 4 connected participants³
- Automatic continuous presence layouts
- Dual-video from any site
- Lecturer mode on system hosting the conference
- XT MCU cascading (up to 65 participants in conference with 8 MCU slaves)²

Security Features

- Embedded encryption³
- H.323 security per H.235v3/Annex D
- SIP security per SRTP and TLS 1.2, enciphering up to AES-256
- SIP "Digest" authentication (MD5)
- RTP media enciphering with AES-256
- Public-Key including Diffie-Hellman (2048 bits), RSA (up to 4096 bits)
- Cryptographic hash (up to SHA-512)
- Web access via HTTPS
- API access via SSH
- Selective enable / disable of IP features
- White list support
- Avaya Enhanced Access Security Gateway (EASG) support²

Web Management

- Configuration, call, diagnostics and management functions are accessible with Internet Explorer 8.0+, Firefox 3.6+, Safari 5.0+, Chrome 11.0+, Opera 11+

Power Supply

- 100–240VAC, 50–60Hz, 2.5A max.

Physical Characteristics

• Horizontal/Vertical Mounting:

W: 29.0cm (11.4")
D: 16.5cm (6.5")
H: 4.0cm (1.6")
Weight: 2.4kg (5.3lb)

¹ Optional.

² With version 9.1.

³ Encryption is subject to local regulations and in some countries, is restricted or limited. Please contact your Avaya representative for details.

SCOPIA XT5000 OPTIONS

- 4/9 Port Embedded 1080p30 MCU
- Desktop and Mobile Client Support
- Extended IP Bit Rate: Multipoint = 12Mbps, P2P = 10/8Mbps (SIP/H.323)
- Advanced Audio Codec Pack (G.728 and G.729A)
- Full Brand Customization
- 4 HD Port Camera / Source Switch
- Codec Wall Mount
- Camera Wall Mount
- Carts supporting one or two displays

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

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