



Avaya Scopia® Elite 6000 Series MCU

Next Generation Multipoint Video



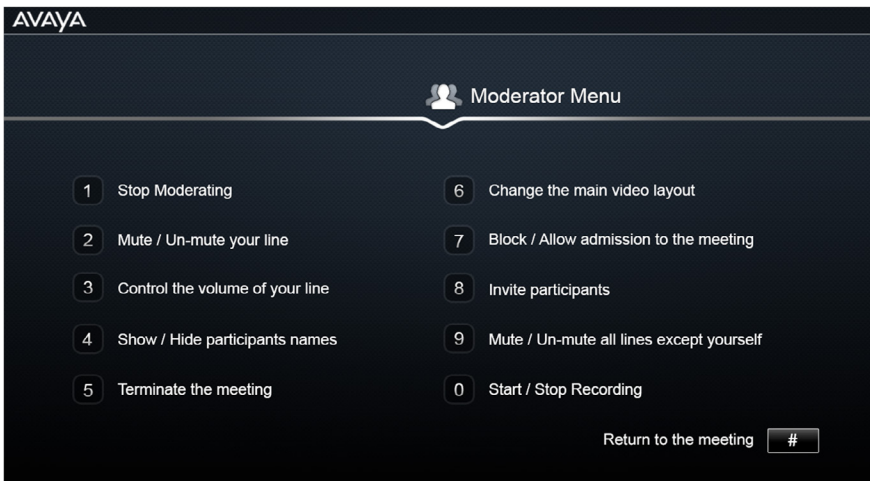
The Avaya Scopia® Elite 6000 Series MCU is the next generation platform from Avaya for HD multi-party video collaboration. The Elite 6000 harnesses revolutionary processing power to support demanding conferencing applications. Dual 1080p/60fps for video and content, simultaneous H.264 High Profile for bandwidth efficiency and H.264 Scalable Video Coding (SVC), along with multi-stream immersive telepresence connectivity deliver flexible multi-party collaboration. Hybrid architecture with hardware accelerator components delivers unmatched density, and minimizes the power and rack space required.

Dedicated processing helps ensure conference participants receive high quality without lowering overall performance. Each user can choose their own video layout with up to 28 participants displayed. Video information overlays make attending conferences simple and participants can moderate meetings through on-screen menus.

Scopia Desktop and Scopia Mobile enable Bring Your Own Device (BYOD) capabilities, offering audio, video and data collaboration for PCs, Macs, tablets and smartphones. Interoperate with major vendors' H.323 and SIP video endpoints, and connect with leading UC clients combining content and multiple video streams into a single gallery video layout.

Highlights

- Revolutionary Power
- Exceptional Density and Scale
- Personalized Experience
- Maximum Ease of Use
- Collaborate with Any Device



Personalized Experience

With dedicated processing for every connection, conference participants can choose their own video layouts with up to 28 participants displayed simultaneously, while panoramic layouts enable traditional video system interoperability with immersive telepresence applications. Dedicated processing helps ensure participants receive the highest quality experience they are capable of without lowering overall conference performance.

Maximum Ease of Use

Video information overlays along with easy conference creation and entry through the enhanced on-screen auto attendant make attending conferences simple. Moderate meetings through on-screen menus compatible with any standards-based endpoint or via the Scopia Control Apple iPad application. Easily mute participants, change video layouts, start or pause recording and even invite other participants.

Collaborate with Any Device

The Bring Your Own Device (BYOD) capabilities available with Scopia Desktop and Scopia Mobile offer audio, video and data collaboration for PCs, Macs, tablets and smartphones. Interoperate with major vendors' H.323 and SIP video endpoints including multi-stream telepresence connectivity. Connect with leading UC applications, and simultaneously view shared content and multiple participants.

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.

Revolutionary Power

The Scopia Elite 6000 harnesses revolutionary processing power for the most demanding conferencing applications. Dual 1080p/60fps channels for video and content, simultaneous H.264 High Profile for bandwidth efficiency and H.264 Scalable Video Coding (SVC), along with multi-stream immersive telepresence connectivity deliver powerful and flexible multi-party collaboration.

Exceptional Density and Scale

Hybrid architecture with powerful video accelerator components delivers exceptional density with support for 40 full 1080p HD ports on a single 1U system, the highest processing performance available in the market, and minimizes the power and rack space required. Scopia's "Virtual Room" management solution provides an intelligent, distributed multi-party conferencing architecture for high scalability and resiliency.

Scopia Elite 6000 Specifications

Signaling Protocols

- H.323, SIP, H.320¹
- IPv4, IPv6

Audio Support

- Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC-LC, Polycom Siren14/G.722.1 Annex C
- Custom participant entry / exit tones
- DTMF tone detection (in-band, H.245 tones, and RFC2833)

Video Support

- HD continuous presence up to 1080p/60fps
- Codecs – H.261, H.263, H.263+, H.264, H.264 SVC, H.264 High-Profile
- Dual 1080p/60fps channels for video and content
- Live video resolutions – CIF up to 1080p
- Presentation video resolution – up to WUXGA
- Video bandwidth – up to 12 Mbps

Advanced Video Processing

- Consistent video quality and frame rate regardless of the number of participants connected to the meeting
- 24 different layout options with up to 28 participants displayed on one screen using continuous presence, + 4 different gallery layout options as below
- Individual / personal layouts per conference participant
- Fully customizable personal layout controlled using DTMF
- Automatic image size adjustment to match video display
- Dynamic layout according to the number of participants
- Enhanced lecture mode (creates classroom-like environment)

Gallery Video Layouts

- Combine shared content and multiple videos into a single video stream
- View up to 6 participants and content simultaneously with single video stream systems
- Enables interoperability with devices that are not H.239/BFCP dual stream compatible

Advanced Telepresence Video Processing

- Immersive telepresence system layouts optimized for telepresence users to view other conference participants

- Panoramic layouts for traditional video conferencing systems combining multiple video streams from a telepresence system into a single panoramic image

Data Collaboration and Presentation Sharing

- H.239 (H.323) and BFCP (SIP) for presentation sharing
- Gallery video layouts provide ability to receive content and multiple video streams simultaneously with single stream applications such as Avaya Communicator and Microsoft Lync

Multi-Vendor Telepresence Connectivity

- Avaya Scopia XT Telepresence
- Select Lifesize, Polycom and Tandberg multi-stream immersive telepresence systems
- Combine telepresence, HD and SD systems in the same conference

On-screen Moderation and Information Overlay

- Easy-to-use video moderator menu
- Text overlay (example - conference participant's name)
- Presenter identification
- User joined / left meeting
- Audio / video muted / un-muted
- Number of audio only participants
- Audio only active speaker name
- Encrypted meeting
- Meeting being recorded
- Meeting is locked

QoS

- DiffServ, TOS, IP Precedence
- NetSense bandwidth adaptation for high quality over unmanaged Internet and wireless connections

Security

- H.235 AES encryption for secure conferencing
- Password protected web GUI user access with multiple levels: Administrator, Operator and User
- PIN protected conferences
- HTTPS for management
- Transport Layer Security (TLS) and Secure Real-time Transport Protocol (SRTP)
- Physical separation of media and management networks

Network Redundancy

- Connect to 2 independent networks and if the primary network fails, the secondary automatically activates

Web-Based Monitoring and Control

- User-friendly web interface for MCU configuration and conference operation

Video Auto-Attendant

- Leading number
- IP dialing
- Multi-language
- Distributed auto-attendant support (using Scopia Management)
- Fully customizable auto-attendant audio prompts

Endpoint Conference Control

- DTMF
- H.243

Chassis Specifications

Scopia Elite 6140 Chassis

- Height: 1U; Width: 43.7 cm (17.2"); Depth: 79.0 cm (31.1")
- 19" rack-mountable with flanges
- Weight: Approx. 14.5 kg (32.0 lb) with one power supply
- 100-240 VAC, 50/60 Hz with redundant AC power supply and feed (optional)

Scopia Elite 6105, 6110 and 6120 Chassis

- Height: 1U; Width: 43.7 cm (17.2"); Depth: 66.4 cm (26.1")
- 19" rack-mountable with flanges
- Weight: Approx. 11.0 kg (24.3 lb)
- 100-240 VAC, 50/60Hz

Environmental Requirements

- Operating temperature: 10°C to 35°C (50°F to 95°F)
- Storage temperature: -40°C to 70°C (-40°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

¹In conjunction with Scopia H.320 Gateways.

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.

	Elite 6105	Elite 6110	Elite 6120	Elite 6140
High Definition (1080p/60) Continuous Presence Ports	3	5	10	20
High Definition (1080p/30) Continuous Presence Ports	5	10	20	40
High Definition (720p/30) Continuous Presence Ports	5	10	20	40
High Definition (720p/30) Continuous Presence Ports (with additional license option)	10	20	40	80
Enhanced Definition (480p/30) Continuous Presence Ports	20	40	80	160
Audio VoIP Ports	20	40	80	160



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 Avaya Scopia Elite 6000 Series MCU, please contact your Avaya Account Manager or Authorized Partner or visit us at www.avaya.com.



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