

Scopia Elite MCU

Telepresence Interoperability



Scopia Elite MCUs in conjunction with the new Scopia TIP Gateway provide the most interoperable, multi-vendor, multi-stream immersive telepresence conferencing solutions available, enabling multi-party communications between different vendor's telepresence systems in addition to standards-based video conferencing endpoints. This capability allows enterprises and service providers to cost effectively deliver all multipoint communications capabilities in a single platform supporting mobile video devices to high-end immersive telepresence systems.



Connect to Standards-Based Video Conferencing Systems

Telepresence Interoperability Highlights

Full Telepresence Interoperability Protocol (TIP) Support - full multi-stream, multi-segment video connectivity with the new Scopia TIP Gateway

Multi-Vendor Telepresence System Connectivity – Cisco® CTS TelePresence™, LifeSize® Conference™, Polycom® RPX™, TPX™ and ATX™, and Tandberg® T Telepresence series systems

Video Conferencing System Interoperability – connect to any standards-based video conferencing system including room systems, desktops, mobile devices and unified communications clients from Avaya and other vendors.

Optimized Video Layouts for Telepresence Systems – users view other conference participants in a special video layout, adding to the telepresence immersive experience

Unique Panoramic Layouts for Traditional Video Conferencing Systems – telepresence participants are seen in a unique video layout where multiple video streams from a telepresence system are combined into a panoramic image



Scopia Elite 5000 Series MCUs

Radvision's Scopia Elite MCUs are the ideal platforms to support immersive telepresence given the special handling and video processing required for telepresence communications. Scopia Elite MCUs utilize the latest in high performance DSP technology and offer 1080p video capabilities yielding uncompromised high definition multi-party support.

Scopia Elite MCUs along with the Scopia TIP Gateway provide a high performance and cost-effective solution as opposed to purchasing an additional, expensive separate system for multi-party telepresence conferencing.



Scopia TIP Gateway

The Scopia TIP Gateway allows organizations to connect Cisco telepresence rooms to a Scopia Elite MCU conference and view all three screens of the Cisco immersive telepresence system for the full experience. Without the Scopia TIP Gateway, participants see only the active speaker on endpoints.

Scopia Elite MCU Specification Highlights (Also see Scopia Elite MCU datasheet)

Signaling Protocols

- H.323, SIP, Telepresence Interoperability Protocol (TIP)¹

Audio Support

- Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC, Polycom® Siren14™/G.722.1 Annex C

Video Support

- HD continuous presence up to 1080p 30fps, 720p 60fps
- Codecs – H.261, H.263, H.263+, H.264, H.264 SVC
- Live video resolutions – QCIF up to 1080p
- Presentation video resolution – up to WUXGA
- Video bandwidth – up to 12Mbps

Data Collaboration and Presentation Sharing

- H.239 (H.323) and BFCP (SIP) for presentation sharing

Telepresence Connectivity

- Radvision Scopia XT Telepresence
- Cisco® CTS TelePresence™1
- LifeSize® Conference™
- Polycom® RPX™, TPX™ and ATX™
- Tandberg® T1 and T3 Telepresence
- Combine telepresence, HD and SD systems in the same conference

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

Scopia TIP Gateway Specifications

Capacity

- 36 maximum telepresence segments supported

Audio Support

- Codecs – G.711, G.722, G.722.1, MPEG4 AAC-LD

Video Support

- HD continuous presence up to 720p 30fps
- Codecs – H.264

Content Sharing

- H.264, up to XGA

Network Interface

- Gigabit Ethernet (RJ-45)

Power

- 100 - 240VAC, 50/60Hz auto-switched, 350W, 3A

Physical Characteristics

- Width: 43.0 cm (16.9")
- Depth: 50.8 cm (20.0")
- Height: 4.3 cm (1.7")
- 19-inch rack-mountable with flanges
- Weight: 15 kg (33 lb)

1. In conjunction with Scopia TIP Gateway

About Radvision

Radvision, an Avaya company, is a leading provider of video conferencing and telepresence technologies over IP and wireless networks. We offer end-to-end visual communications that help businesses collaborate more efficiently. Together, Radvision and Avaya are propelling the unified communications evolution forward with unique technologies that harness the power of video, voice, and data over any network. www.radvision.com

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