

Scopia Elite 5000 Series MCU



The Scopia Elite 5000 Series offers media processing for HD 1080p, telepresence interoperability and advanced H.264 Scalable Video Coding (SVC)



Supreme High Definition

With 1080p High Definition processing, multi-stream telepresence connectivity, 24 video layout options with up to 28 participants displayed simultaneously through Continuous Presence, personal video layouts per participant along with unlimited conferences, Scopia Elite delivers uncompromised HD video conferencing.



Flexible Resources

Mixed endpoint applications are supported with ease and efficiency. Enhanced Definition at 4X capacity affords excellent value. On-demand, dynamic and automatic resource allocation supports any combination of endpoint capabilities without complex configuration changes.



Optimized Quality

Encoder per participant ensures an optimal quality experience for any endpoint on any network. H.264 Scalable Video Coding (SVC) along with NetSense bandwidth adaptation technology deliver superior performance over unmanaged and compromised networks.



Maximum Usability

Scopia Elite was designed by users and administrators for usability and simplicity. On-screen information overlays, easy conference creation and entry through the enhanced video auto attendant and IVR make attending conferences simple. The industry leading management interface makes seemingly complicated tasks simple; users can view important statistics at a glance saving time, money and headache.



Designed to Scale

Unequalled scalability is achieved through a patented, multi-party conferencing architecture via Scopia Management. Scopia Management intelligently virtualizes resources where conferencing components are strategically distributed throughout the network – creating virtual conference rooms dynamically and transparently across multiple distributed MCUs.

Scopia Elite MCU Specifications

	Elite 5105/20	Elite 5110	Elite 5115	Elite 5215	Elite 5230
Form Factor	1U	1U	1U	3U ATCA Chassis	3U ATCA Chassis
High Definition Continuous Presence Ports	5	10	15	15	30
Enhanced Definition (480p) Continuous Presence Ports ¹	10	20	30	30	60
Enhanced Definition (352p) Continuous Presence Ports ¹	20	40	60	60	120
High Definition Video Switching Ports	20	40	60	60	120

Signaling Protocols

- H.323, SIP, H.320², H.324M³
- IPv4, IPv6

Audio Support

- Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC, 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 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

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 conference participants displayed on one screen using Continuous Presence
- Individual / personal layouts per conference participant
- Fully customizable personal layout controlled using DTMF
- Automatic image size adjustment to match TV display
- Dynamic layout according to the number of participants
- Enhanced lecture mode (creates classroom-like environment)

Telepresence Interoperability

- Please see Telepresence Interoperability datasheet for details

On-screen Interactive Control and Information Overlay

- Easy-to-use video moderator menu
- Text overlay (eg. 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

Data Collaboration and Presentation Sharing

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

Security

- JITC certification
- 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 secure management
- Transport Layer Security (TLS) and Secure Real-time Transport Protocol (SRTP)
- Physical separation of media and management networks

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

- H.243
- DTMF

QoS

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

Chassis Specifications

Scopia Elite 5200 Chassis

- Height: 3U; Width: 448mm (17.6"); Depth: 400mm (15.75")
- 19-inch rack-mountable with flanges
- Weight: Approx. 17kg (37 lbs) for fully loaded chassis (with 1 power supply)
- 90-264 VAC, 50/60 Hz with Hot-Swap Redundant AC power supply and feed (optional)
- 48 VDC with Hot-Swap Redundant DC PEM (optional)
- Hot-Swap Redundant cooling system
- Hot-Swap Intelligent Shelf Manager blade
- High-speed backplane connectivity between blades

Scopia Elite 5100 Chassis

- Height: 1U; Width: 448mm (17.6"); Depth: 480mm (18.9")
- 19-inch rack-mountable with flanges
- Weight: Approx. 8.5kg (18.8 lbs)
- 90-264 VAC, 50/60Hz

Environmental Requirements

- Operating temperature: 0°C to 45°C (32°F to 113°F)
- Storage temperature: -25°C to 70°C (-13°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

¹ A license option

² In conjunction with SCOPIA H.320 Gateways

³ In conjunction with SCOPIA 3G Gateways

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

USA/Americas
T +1 201 689 6300
F +1 201 689 6301
infoUSA@radvision.com

EMEA
T +44 20 3178 8685
F +44 20 3178 5717
infoUK@radvision.com

APAC
T +852 3472 4388
F +852 2801 4071
infoAPAC@radvision.com

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