

# SCOPIA Elite MCU 5000 Series



SCOPIA Elite Provides the Highest Quality Experience and Most Advanced Conferencing Capabilities Available



## Supreme High Definition

With 1080p High Definition processing, multistream telepresence connectivity, unlimited conferences, personal video layout per participant and AAC audio, SCOPIA Elite delivers supreme High Definition conferencing. Utilization of the very latest state of the art DSP technology offers uncompromised HD.



## 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) delivers superior performance over 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 patented, distributed multipoint conferencing. SCOPIA Elite utilizes SVC, enabling enhanced connections between MCUs in poor network conditions. The Advanced Telecommunications Computing Architecture (ATCA) delivers investment protection through a future proof platform.

## SCOPIA Elite MCU Specifications

	Elite 5110	Elite 5115	Elite 5230
Form Factor	1U	1U	3U ATCA Chassis
High Definition Continuous Presence Ports	10	15	30
High Definition Video Switching Ports	40	60	120
Enhanced Definition (352p) Continuous Presence Ports <sup>1</sup>	40	60	120

### Signaling Protocols

- H.323, SIP, H.320<sup>2</sup>, H.324M<sup>3</sup>
- 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
- 22 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 Connectivity<sup>1</sup>

- 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

### Data Collaboration and Presentation Sharing

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

### 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 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 iVIEW)
- Fully customizable auto-attendant audio prompts

### Endpoint Conference Control

- H.243
- DTMF

### QoS

- DiffServ, TOS, IP Precedence

### 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 (18.75 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

<sup>1</sup> A license option

<sup>2</sup> In conjunction with SCOPIA H.320 Gateways

<sup>3</sup> In conjunction with SCOPIA 3G Gateways

### About RADVISION

RADVISION (NASDAQ: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards-based video communications solutions and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next-generation networks. For more information about RADVISION, visit [www.radvision.com](http://www.radvision.com)

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