

SCOPIA® 100/400 MCU Series

A Complete Video Conferencing & Collaboration Solution

Connects High Definition room systems with Standard Definition endpoints and Desktops



The SCOPIA 100/400 Series is a complete unified communications solution that delivers a very cost-effective, high quality video experience - anywhere and anytime. Enjoy easy-to-use video connectivity at all levels of the organization - from video conference rooms, desktops and on the road... to partners, colleagues and suppliers.



SCOPIA 100



SCOPIA 400

SCOPIA 100/400 Series Components:

- Multipoint Conferencing Units (MCUs) with full video and audio transcoding, SIP and H.323 support
- iVIEW™ Suite with internal gatekeeper - for conference scheduling and management of endpoints and infrastructure elements
- SCOPIA Desktop - extends the reach of video networks to desktop and remote users (now with HD)

The RADVISION SCOPIA 100/400 video conferencing and collaboration solutions include everything needed to deploy robust, feature-rich multimedia conferencing and data collaboration across the entire enterprise - connecting meeting rooms, desktops and mobile users.

High Definition Video Conferencing Made Easy

The SCOPIA video conferencing and collaboration solution enables Web-based conferencing, with the high quality of high definition room system equipment and infrastructure. Users can enjoy ease of use and easy access to online desktop conferencing with the high quality delivered by conventional room systems.

Optimized Capacity

With the SCOPIA solution's optimized capacity users receive maximum value for their investment. Port capacity is consistently optimized, independent of video codecs or video quality - from high definition to standard video. If bandwidth is not fully utilized, the number of available ports increases for reduced cost per port.

Extend the Reach of Video Networks

With SCOPIA Desktop, the video network is accessible to any member of the organization. Team members can collaborate from the device they choose: a high end room conferencing system, a branch office or teleworker's laptop PC, or a mobile device. For larger audiences, use SCOPIA Desktop's built-in streaming capabilities to reach out to hundreds of users.

Intelligent Call and Network Management

A gatekeeper and management system is included for control, configuration, global network view and management of the entire video network, including network devices, endpoints and dial plans.

Easy Ad hoc and Scheduled Meeting Setup

Easy conference access and creation with video auto attendant supporting both ad hoc and scheduled conferences. Meetings can be scheduled from a Web interface, via Microsoft® Outlook™ or IBM® Lotus® Notes®. Scheduled meetings reserve the ports, bandwidth and devices required.

Scalable and Distributed for Right-Sized Capacity

SCOPIA components can be combined to form a highly scalable, centralized or distributed conferencing solution that lets video network infrastructure grow according to your needs.

SCOPIA 100/400 MCU Series Specifications

	SCOPIA ₁₀₀ 12	SCOPIA ₁₀₀ 24	SCOPIA ₄₀₀ 48	SCOPIA ₄₀₀ 72
Form Factor				
Video Participants @ CP HD	4	16	32 (2x16)	48 (3x16)
Video Participants @ CP	12	24	48 (2x24)	72 (3x24)
Desktop Participants up to 384Kbps	24	48	96 (2x48)	96 (up to 2x48)
Additional Streaming Users	72	144	300	300
Audio Participants	72	72	96	96
Management Ports - iVIEW Suite (H.323 & SIP, scheduler, Management, Gatekeeper)	25	50	100	100

Capacity

- Optimized capacity provides optimized capacity and port cost to each conferencing application working point (High Definition, Standard Definition, and Desktop)

Signaling Protocols

- H.323, SIP, H.320¹, H.324M²

Audio Support

- Audio codecs - G.711, G.722, G.722.1, G.723.1, G.728³, G.729AB³, MPEG4 AAC-LC
- Custom participant entry/exit tones
- DTMF tone detection (in-band, H.245 tones, and RFC2833)⁴

Video Support

- Continuous Presence High Definition support - H.264 @ 720p up to 30fps.
- Video codecs - H.261, H.263, H.264
- Live video resolutions - QCIF, CIF/SIF, 4CIF, 288p, 384p, 400p, 448p, 480p, 576p, 720p
- Presentation video resolution - VGA, SVGA, XGA, 720p
- Video bandwidth - up to 4Mbps
- Advanced video processing: video transcoding, rate matching, text overlay, 28 layout options, dynamic layout according to number of conference participants and lecture mode

Data Collaboration and Presentation Sharing

- H.239 and DuoVideo for presentation sharing

Security

- H.235 AES/DES encryption for secure conferencing⁵
- Password protected Web GUI user access with multiple levels: Administrator, Operator, and User
- PIN protected conferences
- HTTPS for secured management

Web-Based Monitoring and Control

- Simple, user-friendly Web interface enabling MCU configuration and conference operation

Video Auto-Attendant

- Leading number support
- IP dialing support
- Multi Lingual support

Conference Control from the Endpoint

- H.243 conference control
- DTMF-based conference control

QoS

- QoS support with DiffServe, TOS, IP Precedence

Desktop Connectivity via SCOPIA Desktop⁶

- Live connection (Audio, Video, Data) / Data only connection and streaming mode
- Built-in NAT and Firewall traversal
- Virtual rooms support
- Easy scheduling via Microsoft® Outlook™ or Lotus® Notes®
- Web-based scheduling

Management via iVIEW™ Suite with Internal Gatekeeper⁷

- Gatekeeper functionality (H.323 support)
- B2BUA - Back-to-Back User Agent (SIP support)
- Supports multiple devices for load balancing and failover
- User configurable dial-plan
- Full H.245 routing and control for call monitoring and authorization
- Complete network status and statistics
- Network-wide view of calls and conferences
- Central terminal configuration
- Display of events and errors received from elements for error
- Easy Web based scheduling and ad hoc videoconferencing
- Complete Microsoft® and IBM® Lotus® integration

Physical Dimensions

- 19-inch, rack-mountable unit.
- Height: 1U for SCOPIA₁₀₀ 12/24, 2U for SCOPIA₄₀₀ 48/72

Environmental Requirements

- Operating temperature:
 - SCOPIA₁₀₀ 12/24: 0°C to 40°C (32°F to 104°F)
 - SCOPIA₄₀₀ 48/72: 0°C to 50°C (32°F to 122°F)
- Storage temperature: -25°C to 70°C (-13°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

Power Module

- Input 100-240VAC autodetect 50/60Hz
- Dual power supply as standard on SCOPIA₄₀₀ 48/72

Warranty

- One year return-to-factory
- Extended warranties and support services are available on request

¹ In conjunction with SCOPIA H.320 Gateways

² In conjunction with SCOPIA 3G Gateways

³ Capacity is limited to 48 ports on SCOPIA₁₀₀ 12/24

⁴ SCOPIA₄₀₀ 48/72 only: When using in-band DTMF detection, MCU audio capacity drops to 72 ports. H.235 encryption must be off

⁵ When using encryption, audio capacity drops to 72 ports, video capacity is unaffected for calls

up to 768Kbps and drops by 50% for calls at higher rates

⁶ SCOPIA Desktop software included with the product and requires installation on an external standard PC server

⁷ iVIEW Suite with Internal Gatekeeper software included with the product and requires installation on an external standard PC server

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 networking infrastructure 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 IMS networks. For more information about RADVISION, visit www.radvision.com

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