# SCOPIA 100/400 Conferencing Solutions

RADVISION'S SCOPIA 100 and 400 Series Conferencing Solutions are Complete Out-of-the-box Visual Communications Solutions for Small to Medium-sized Video Networks

## Video Conferencing Made Easy

SCOPIA video conferencing and collaboration solutions enable 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

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 Network

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. SCOPIA's management system combines centralized or distributed components creating a highly scalable "Virtual MCU".

## Works the Way You Work

Easy conference access and creation with the 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.

# SCOPIA 100/400 Conferencing Solution Specifications

| | SCOPIA$_{100}$ 12 | SCOPIA$_{100}$ 24 | SCOPIA$_{400}$ 48 | SCOPIA$_{400}$ 72 |
|---|---|---|---|---|
| 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 |
| Managements Ports - iVIEW Suite (H.323 & SIP, Scheduler, Management, Gatekeeper) | 25 | 50 | 100 | 100 |

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

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

## Signaling Protocols
- H.323, SIP, H.320[1], H.324M[2]

## Audio Support
- Codecs – G.711, G.722, G.722.1,G.728[3], MPEG4 AAC-LC
- Custom participant entry / exit tones
- DTMF tone detection (in-band, H.245 tones, and RFC2833)

## Video Support
- High Definition Continuous Presence – H.264 @ 720p up to 30fps
- Codecs – H.261, H.263, H.263+, H.264
- Live video resolutions – QCIF, CIF/SIF, 4CIF, 288p, 384p, 400p, 448p, 480p, 576p, 720p, 1080p
- Presentation video resolutions – 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, lecture mode

## Data Collaboration and Presentation Sharing
- H.239 and DuoVideo for presentation sharing

## Security
- H.235 AES encryption
- Password protected web GUI user access with multiple levels: Administrator, Operator, User
- PIN protected conferences
- HTTPS for secured management

## Web-Based Monitoring and Control
- User-friendly web interface for MCU configuration and conference operation

## Video Auto-Attendant
- Leading number
- IP dialing
- Multi language

## Endpoint Conference Control
- H.243
- DTMF

## QoS
- DiffServ, TOS, IP Precedence

## Desktop Connectivity via SCOPIA Desktop[4]
- Live connection (Audio, Video, Data)
- Streaming mode
- Built-in NAT and Firewall traversal
- Virtual room support
- Easy scheduling via Microsoft Outlook or Lotus Notes
- Web-based scheduling

## Management via iVIEW™ Suite with Internal Gatekeeper[5]
- Gatekeeper (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
- Network status and statistics
- Network-wide view of calls and conferences
- Central terminal configuration
- Display of events and errors received from elements
- Easy Web based scheduling and ad hoc video conferencing
- Complete Microsoft Outlook and IBM Lotus Notes integration

## Chassis Specifications

### SCOPIA 100 / 400 Chassis
- Height: SCOPIA 100 12/24 - 1U; SCOPIA 400 48/72 - 2U
- 19-inch rack-mountable
- 100-240 VAC, 50/60 Hz
- Dual power supply standard on SCOPIA 400 48/72

### Environmental Requirements
- Operating temperature: SCOPIA 100: 0ºC to 40ºC (32ºF to 104ºF)
- Operating temperature: SCOPIA 400: 0ºC to 50ºC (32ºF to 122ºF)
- Storage temperature: -25ºC to 70ºC (-13ºF to 158ºF), ambient
- Relative humidity: 5% to 90% non-condensing

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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 SCOPIA Desktop software included requires installation on an external PC server
5 iVIEW Suite with Internal Gatekeeper software included and requires installation on an external PC server

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