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Scopia Elite 6000 Series MCU

The Scopia Elite 6000 enables HD 1080p/60fps, H.264 Scalable Video Coding (SVC) and H.264 High Profile for high performance multi-party conferencing

Revolutionary Power

The Scopia Elite 6000 harnesses revolutionary processing power for the most demanding conferencing applications. Dual 1080p/60fps channels for video and content, simultaneous H.264 High Profile for bandwidth efficiency and H.264 Scalable Video Coding (SVC), along with multi-stream immersive telepresence connectivity deliver uncompromised multi-party collaboration.

Unmatched Density and Scale

Hybrid architecture with powerful video accelerator components delivers unmatched density with support for 40 full 1080p HD ports on a single 1U system, the highest processing performance available in the market, and minimizes the power and rack space required. Scopia's "Virtual MCU" management solution provides an intelligent, distributed multi-party conferencing architecture for maximum scalability and resiliency.

Personalized Experience

With dedicated processing for every connection, conference participants can choose their own video layouts with up to 28 participants displayed simultaneously, while panoramic layouts enable traditional video system interoperability with immersive telepresence applications. Dedicated processing ensures participants receive the highest quality available without lowering overall conference performance.

Maximum Ease of Use

Video information overlays along with easy conference creation and entry through the enhanced on-screen auto attendant make attending conferences simple. Moderate meetings through on-screen menus compatible with any endpoint or via the Scopia Control iPad® app. Easily mute participants, change video layouts, start or pause recording and even invite other participants.

Collaborate with Any Device

Bring Your Own Device (BYOD) capabilities are enabled with Scopia Desktop and Scopia Mobile – offering audio, video and data collaboration for PCs, Macs, tablets and smartphones. Interoperate with all major vendors' H.323 and SIP video endpoints including multi-stream telepresence connectivity. Connect with leading UC platforms via Scopia infrastructure.

Scopia Elite Specifications

	Elite 6105	Elite 6110	Elite 6120	Elite 6140
High Definition (1080p/60) Continuous Presence Ports	3	5	10	20
High Definition (1080p/30) Continuous Presence Ports	5	10	20	40
High Definition (720p/30) Continuous Presence Ports	5	10	20	40
High Definition (720p/30) Continuous Presence Ports (with additional license option)	10	20	40	80
Enhanced Definition (480p/30) Continuous Presence Ports	20	40	80	160

Signaling Protocols
- H.323, SIP, H.320[1]

Audio Support
- Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC-LC, 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/60fps
- Codecs – H.261, H.263, H.263+, H.264, H.264 SVC, H.264 High-Profile
- Dual 1080p/60fps channels for video and content
- 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

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

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)

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
- DTMF
- H.243

Chassis Specifications

Scopia Elite 6140 Chassis
- Height: 1U; Width: 437 mm (17.2″); Depth: 716 mm (28.2″)
- 19″ rack-mountable with flanges
- Weight: Approx. 14.5 kg (32 lbs) with one power supply
- 100-240 VAC, 50/60 Hz with redundant AC power supply and feed (optional)

Scopia Elite 6105, 6110 and 6120 Chassis
- Height: 1U; Width: 437 mm (17.2″); Depth: 650 mm (25.6″)
- 19″ rack-mountable with flanges
- Weight: Approx. 11 kg (24.3 lbs)
- 100-240 VAC, 50/60Hz

Environmental Requirements
- Operating temperature: 10°C to 35°C (50°F to 95°F)
- Storage temperature: -40°C to 70°C (-40°F to 158°F), ambient
- Relative humidity: 5% to 90% non-condensing

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[1] In conjunction with Scopia H.320 Gateways

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