SCOPIA XT1000 SMB Edition

The SCOPIA XT1000 SMB Edition is a unique video conferencing solution especially suited to the communication requirements of Small and Medium Businesses (SMB) providing an all inclusive HD video conferencing room system with integrated desktop conferencing and multi-party MCU.

Built on the SCOPIA XT1000 HD room system, with the highest capacity embedded MCU in the industry today, the SCOPIA XT1000 SMB Edition creates a new video conferencing product class by combining HD room system capabilities, embedded multi-party conferencing, desktop conferencing and firewall traversal into the only integrated solution of its kind available in the market.

Video conferencing with the SCOPIA XT1000 SMB Edition provides the face-to-face element necessary for successful business relationships. It enables business to be efficiently conducted with remote colleagues, clients, suppliers and partners, saving money in travel costs and increasing productivity. With the capability to reach workers at home and on the road, the SCOPIA SMB Edition extends the boundaries of your business.

SCOPIA Solution Features

SCOPIA XT1000 HD Room System – with dual 1080p video, full band audio and high resolution data sharing

4 or 9 Participant HD MCU with Continuous Presence – the high capacity embedded MCU provides everything for multi-party video conferencing without requiring an external network MCU

SCOPIA Desktop HD Conferencing – for the PC and Mac, fully extending the room system experience to the desktop, including HD video and data collaboration
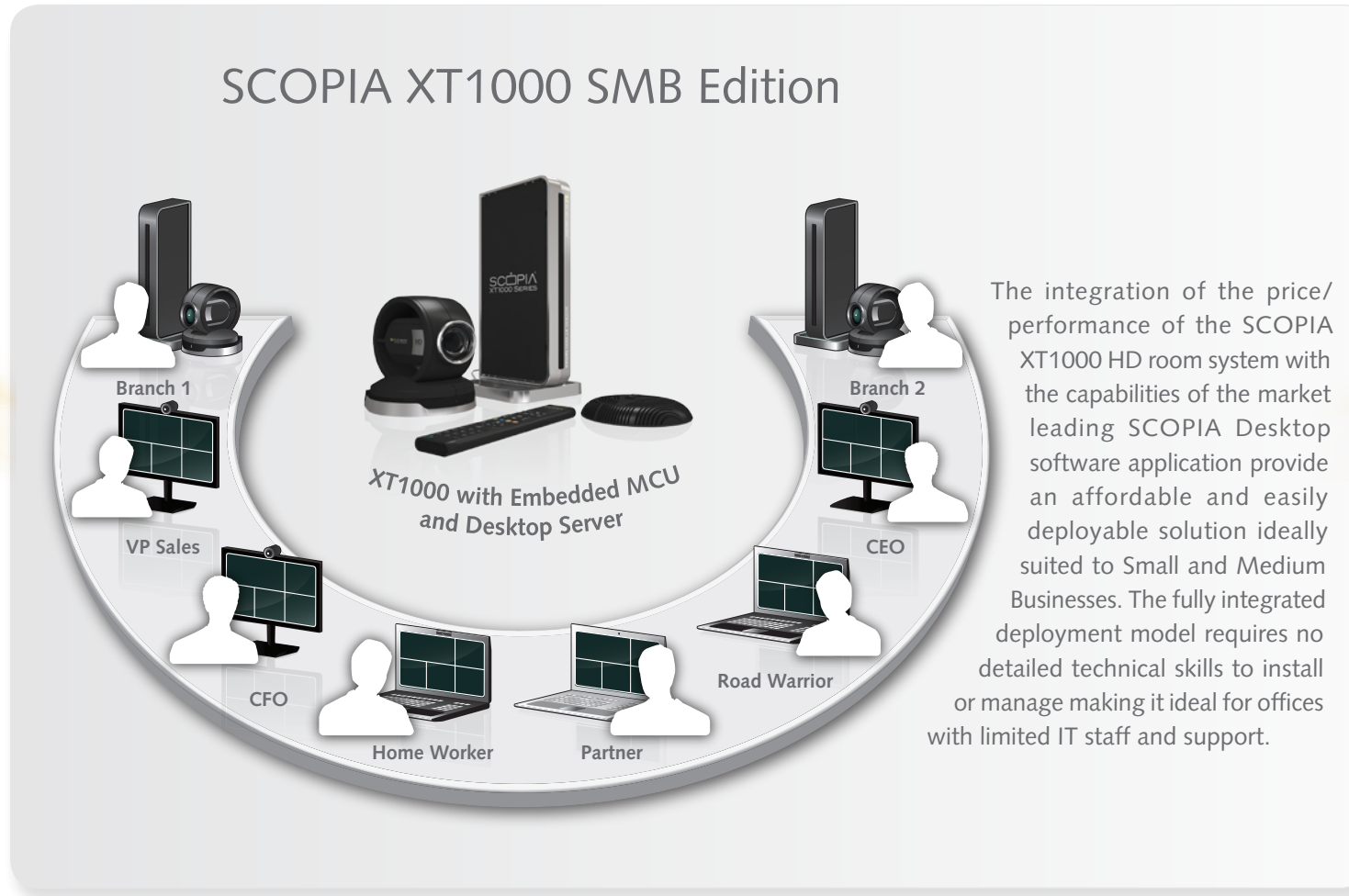
Desktop Client Distribution – enables desktop conferencing to be installed on an unlimited number of PCs and Macs, allowing desktop participation from virtually anywhere, even for users outside the organization, such as with customers, suppliers and prospects

Automatic Firewall Traversal – providing an effective way to easily extend video communications beyond enterprise boundaries to workers at home and on the road

SCOPIA XT1000

SCOPIA Desktop

SCOPIA XT1000 SMB Edition

Branch 1

VP Sales

CFO

XT1000 with Embedded MCU and Desktop Server

Home Worker

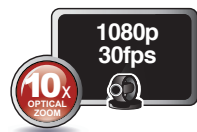**Partner**

Branch 2

CEO

Road Warrior

The integration of the price/performance of the SCOPIA XT1000 HD room system with the capabilities of the market leading SCOPIA Desktop software application provide an affordable and easily deployable solution ideally suited to Small and Medium Businesses. The fully integrated deployment model requires no detailed technical skills to install or manage making it ideal for offices with limited IT staff and support.

The SCOPIA XT1000 by itself is a very compelling solution for Small and Medium Businesses with its market leading combination of high performance, advanced features and pricing. Now, with the integration of SCOPIA Desktop it provides the ability to host a conference with full multi-party HD video and data collaboration, including a combination of room systems and desktop users both inside and outside an organization.

The SCOPIA Desktop software application extends the SCOPIA XT1000 to remote and desktop users for voice, HD video and data communications. It includes the latest in technology with HD H.264 video for both meeting participants and data collaboration, and connects transparently through firewalls. SCOPIA Desktop's audio system provides echo cancellation, background noise suppression and is highly resilient to network errors common on the Internet and wireless networks. Instantly installed as a centrally managed and deployed web browser plug-in, no client license fees or administration rights are required. Participants simply click on a link to join a conference.

First Class Video Experience

Every SCOPIA XT1000 delivers full HD (1080p 30fps) video streams as standard so you don't have to compromise with lower quality video. The included high end PTZ camera supports 10x optical zoom and wide angle capability so you can see every detail as well as an entire group in the conference room. An additional 1080p camera can be used to send a separate 1080p video stream for complete visual coverage.

Embedded HD Multi-party Conferencing

RADVISION's multi-party expertise is now embedded in the SCOPIA XT1000. High Definition Continuous Presence meetings with up to 9 participants are now more affordable than ever utilizing the SCOPIA XT1000 built-in MCU.

Hear Every Nuance

The SCOPIA XT1000 3-way microphone pod uses beam forming technology to put the focus on the speaker while isolating background noise. Two microphone pods can also be cascaded to cover larger rooms. 48 kHz (full band) audio encoding is used to ensure high clarity audio transmission with no loss of quality.

HD Everywhere

Bring the SCOPIA XT10000 room system experience with you, wherever you go, to whatever desktop you use. Enable your colleagues, partners, prospect and even customers to experience High Definition video and presentations on a PC or a Mac with a webcam without client license fees, complex installation issues or administration rights.

Crisp, High Motion Data Sharing

Remote participants can view your shared data as if they are in the same room with you in all its native detail. The SCOPIA XT1000 supports PC data sharing at high resolution and frame rates so you can share presentations and even video clips with zero loss of quality.

Create Conference Rooms Without Walls

Connect from anywhere in the SCOPIA XT1000 virtual conference room and invite other desktop users or room systems. The network is not in your way with transparent firewall traversal and high tolerance to network errors common on the Internet.

Specifications

SCOPIA XT1000 HD Room System
(see XT1000 datasheet for more details)

Communications
- IP: H.323, SIP (RFC 3261)
- Bit rate: up to 12 Mbps

Video
- 2 simultaneous 1080p30 channels: camera + auxiliary camera[1] or camera + content
- H.261, H.263, H.263+, H.263++, H.264, H.264 SVC
- Dual video: H.239 (H.323); BFCP (SIP)
- **Live video encoding**
  Up to 1920 x 1080 @ 25, 30fps: HD1080p25, 30
- **DVI input**
  Up to 1920 x 1200 @ 60fps: WUXGA
- **HDMI input**
  Up to 1920 x 1080 @ 25, 30fps, 1280 x 720 @ 25, 30, 50, 60fps

HD Camera
- Resolution: 1920 x 1080
- PAN / Tilt: ± 100° / ± 25°
- Zoom: 10x (optical)
- Far End Camera Control: H.224, H.281
- Support for Sony® EVI HD7 Camera[1,2]

Audio
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression
- G.711, G.728[1], G.729A, G.722, G.722.1, G.722.1 – Annex C, G.719, AAC-LD

Digital Microphone Array Pod
- Up to 2 cascaded 360° pods

Audio/Video Interfaces
- **Video inputs:**
  2 x HDMI (Up to 1080p30)
  1 x DVI-I (Up to 1920 x 1200 WUXGA, includes VGA cable adapter)
- **Video outputs:**
  2 x HDMI (Up to 1080p30) for dual display
- **Audio inputs:**
  2 x HDMI
  1 x SPDIF (RCA)
  1 x Microphone Array Pod (RJ-11)
- **Audio outputs:**
  2 x HDMI
  1 x SPDIF (RCA)

Network Features
- IPv4 and IPv6 simultaneous support
- QoS support: IP Precedence, IP Type of Service (ToS)
- IP adaptive packet management

Network Interfaces
- 1 x 10/100/1000 Base-T full-duplex (RJ-45)
- 1 x 10/100 Base-T full-duplex (RJ-45)[1]

Firewall Traversal
- Auto NAT discovery HTTP and STUN
- H.460.18, H.460.19

User Interface
- 21 language on-screen user interface
- Infrared remote control

Directory Service & Address Book
- LDAP Client (H.350)
- Receive global address book from LDAP Server including iVIEW

Embedded HD Multipoint Control Unit
- 4 / 9 HD Continuous Presence participants
- Dial-in / Dial-out capabilities
- Automatic Continuous Presence layouts

Security Features
- Embedded encryption
- Key generation and exchange with Public-Key Cryptography (Diffie-Hellman)
- H.235 AES 128 Confidentiality for RTP media
- H.235 MD5 Authentication
- H.235 Authentication and Integrity (H.235v3/Annex D)
- Digest Authentication
- Microsoft NTLM Authentication and Session Security (SSP)
- HTTPS, SSH
- Selective enable / disable of IP features

Web Management
- Configuration, call, diagnostics and management functions are accessible with: Internet Explorer™ 7.0+, Firefox 3.0®+, Safari 3.0®+

SCOPIA XT Desktop

High Definition Experience
- HD video using H.264 up to 720p
- Built-in enhanced CPU and network awareness
- HD presentation using H.264 up to 720p

Data Collaboration
- H.239 based data collaboration with annotation
- Room system-compatible data collaboration (H.263+, H.264 HD)
- Text chat with emoticons for desktop users

Layout Selection
- Video or data focused, or both side-by-side
- Full screen video or data
- Automatic based on meeting context

User Controls
- Mute/un-mute
- Stop/start video
- Turn on/off self-view
- View consolidated participants list (desktops and rooms)

Moderator Controls
- Invite a video conferencing system by IP address or directory entry
- Lock meeting
- Terminate meeting
- Mute, un-mute and disconnect any participant

Built-In NAT and Firewall Traversal
- Automatic embedded firewall traversal
- Automatically handles local and remote NAT private networks
- Automatic detection of optimal media path: UDP or TCP

Management
- View utilization history for capacity planning and investment justification

Directory
- Local directory for calling additional endpoints

Security
- SRTP encryption
- Access PIN for virtual room access

Client Computer Requirements
- Operating System: Windows® XP, Windows® Vista™, Windows® 7, Mac® OS X
- Browsers: Internet Explorer™, Firefox®, Safari®, Google Chrome™

Desktop Server Requirements
- Operating System: Windows® Server 2008 R2 Foundation
- Dual Core Intel® Pentium® E5400, 2.70GHz, 2MB Cache, 800MHz FSB, 2GB RAM

Options
- Additional 1080p 30fps Camera
- Sony® EVI HD7 60fps Camera
- Additional Digital Microphone Array Pod
- G.728 Audio
- 1 x 10/100 Base-T full-duplex (RJ-45)

Electrical and Physical

Power Supply
- 100 - 240 VAC, 50-60 Hz, 2.5 A Max.

Physical Characteristics
- Horizontal / Vertical Mounting:
  W: 37.8 cm (14.9")   16.1 cm (6.3")
  H: 5.0 cm (2.0")   39.8 cm (15.7")
  D: 18.3 cm (7.2")   20.5 cm (8.1")
  Weight: 3.3 kg (7.3 lb)   3.9 kg (8.6 lb)
- Camera / 60 fps Optional Camera:
  W: 15.3 cm (6.0")   25.0 cm (9.8")
  H: 18.0 cm (7.1")   15.2 cm (6.0")
  D: 15.6 cm (6.1")   13.5 cm (5.3")
  Weight: 1.3 kg (2.9 lb)   1.6 kg (3.5 lb)
- Microphone Pod:
  W: 14.0 cm (5.5")
  Weight: 0.3 kg (0.7 lb)

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1. Optional
2. 720p60 receive standard, transmit requires optional camera

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