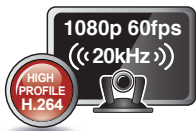# SCOPIA XT5000

## *Exceptional Experience, Unparalleled Power*

### Exceptional Experience

The SCOPIA XT5000 sets the standard for an exceptional conferencing experience. Unique simultaneous HD 1080p/60fps for live video and content and CD-quality, 20 kHz audio deliver an outstanding experience. H.264 High Profile provides ultimate bandwidth efficiency and H.264 Scalable Video Coding (SVC) offers high network error resiliency. The XT5000 delivers unequalled performance in real-world network conditions.

### Unparalleled Power

The SCOPIA XT5000 harnesses unparalleled power for the most demanding conferencing applications. Two full 1080p/60fps video channels, H.264 High Profile and SVC, an embedded 9-way multi-party MCU, iPad Multi-Touch control - all combine to make the XT5000 the most powerful conferencing system ever created in its class.

### Intuitive and Easy-to-Use

The XT5000 is designed for the end user instead of IT and engineering departments. It leverages design principles of RADVISION's award-winning iPad and iPhone applications and enables instant, intuitive and effective control - no training required. For an even better experience, the XT5000 is enabled for Multi-Touch control via the Apple iPad.

### Sleek and Elegant Design

The XT5000's refinement and polish go beyond the user experience to the sleek and elegant hardware design of the system. The XT5000 is a natural fit for today's businesses, not only for its ease of use, but also its modern design that complements your conference room. Finally a powerful business system you can put on display and not hide in the closet.

### All-in-one Solution

The XT5000 is also offered as a unique all-in-one video conferencing solution combining the XT5000's room system capabilities with embedded 9-way multi-party conferencing, SCOPIA Desktop conferencing, and firewall traversal into an all-in-one solution. Additionally, participants can utilize SCOPIA Mobile and join video conferences via the latest mobile devices.

# SCOPIA XT5000 Specifications

## Communications
- IP: H.323, SIP (RFC 3261)
- ISDN[1] Supported through SCOPIA Gateway
- Bit rate: H.323, SIP: up to 6/12[1] Mbps
  H.320: up to 2 Mbps
- MCU compatibility: H.243, H.231

## Video
- 2 simultaneous 1080p60 channels: camera + auxiliary camera[1] or camera + content
- H.263[2], H.263+[2], H.263++[2], H.264, H.264 High Profile, H.264 SVC
- Dual video:  H.239 (H.323); BFCP (SIP)
- **HDMI input formats**
  1920 x 1080 @ 25, 30, 50, 60fps
  1280 x 720 @ 25, 30, 50, 60fps
  720 x 576 @ 50fps
  720 x 480 @ 60fps
  640 x 480 @ 60fps
- **Live video encoding formats**
  1920 X 1080 @ 25, 30, 50, 60fps: HD1080p25, 30, 50, 60
  1280 x 720 @ 25, 30, 50, 60fps: HD720p25, 30, 50, 60
  1024 x 576 @ 25, 30fps: w576p
  768 x 448 @ 25, 30fps: w448p
  704 x 576 @ 25, 30fps: 4CIF
  704 x 480 @ 25, 30fps: 4SIF
  576 x 336 @ 25, 30fps
  512 x 288 @ 25, 30fps: wCIF
  400 x 224 @ 25, 30fps
  352 x 288 @ 25, 30fps: CIF
  352 x 240 @ 25, 30fps: SIF
- **DVI input formats**
  1920 x 1080 @ 25, 30, 50, 60fps
  1440 x 900 @ 60fps: WSXGA
  1280 x 1024 @ 60fps: SXGA
  1280 x 720 @ 25, 30, 50, 60fps
  1280 x 768 @ 60fps: WXGA
  1024 x 768 @ 60fps: XGA
  800 x 600 @ 60fps: SVGA
  640 x 480 @ 60fps: VGA
- **PC content encoding formats:**
  Same as DVI input formats @ 60fps
- **HDMI output formats**
  1920 x 1080 @ 25, 30, 50, 60fps
  1280 x 720 @ 25, 30, 50, 60fps
  1920 x 1080 @ 50, 60fps interlaced (for compatibility with some monitors)

## Camera
- Resolution: 1080p60fps
- Presets: 122
- Field of View (H): 8° - 70°
- PAN / Tilt: ± 100° / ± 25°
- Zoom: 10x (optical)
- Far End Control: H.224, H.281

## Audio
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression
- Frequency response:
  G.711: 300 – 3,400 Hz
  G.728: 50 – 3,400 Hz[1]
  G.722: 50 – 7,000 Hz
  G.722.1: 50 – 7,000 Hz
  G.722.1 Annex C: 50 – 14,000 Hz
  G.719: 50 – 20,000 Hz

## Digital Microphone Array Pod
- 360° range
- Frequency response: 50 – 22,000 Hz
- Mute button
- Up to 2 cascaded pods

## Audio/Video Interfaces
- **Video inputs:**
  1 x HDMI
  1 x DVI-I
  1 x USB 3.0
- **Video outputs:**
  2 x HDMI for dual display
- **Audio inputs:**
  1 x HDMI
  1 x Microphone Array Pod (RJ-11)
  1 x 3.5 mm (1/8") line in jack for audio source (analog / digital with mini-TOSLINK adapter)
- **Audio outputs:**
  1 x HDMI
  1 x 3.5 mm (1/8") line out jack (analog / digital with mini-TOSLINK adapter)

## Network Features
- IPv4 and IPv6 simultaneous support
- Auto Gatekeeper discovery
- QoS support:  IP Precedence, IP Type of Service (ToS), Differentiated Services (diffserv)
- IP adaptive packet management including:
  Flow control
  Packet Loss based down-speeding
  Packet Loss recovery policies
- DTMF tones: H.245, RFC2833
- SNTP date and time synchronization

## Network Protocols
- TCP/IP, TELNET, HTTP, HTTPS, DNS, DHCP, RTP/RTCP, STUN, SNTP, TFTP

## Network Interfaces
- 2 x 10/100/1000 Base-T full-duplex (RJ-45)

## Firewall Traversal
- Auto NAT discovery HTTP and STUN
- H.460.18, H.460.19
- "Keep Alive" packet time configurable

## Auxiliary Camera Interface
- VISCA RS232 for PTZ control (Mini-DIN 8-pin)

## User Interface
- 21 language on-screen user interface
- Infrared remote control
- API for endpoint control
- SCOPIA Control application for Apple iPad

## Directory Service & Address Book
- LDAP Client (H.350)
- Receive global address book from LDAP Server including SCOPIA iVIEW[2]

## Embedded HD Multipoint Control Unit[1,2]
- H.323, SIP and H.320 mixed mode
- 4 / 9 HD continuous presence participants
- Support for SCOPIA Desktop and Mobile[1]
- Dial-in / Dial-out capabilities
- Encryption
- Automatic continuous presence layouts
- Dual-video from any site (H.323, H.320)

## Security Features
- Embedded encryption
- Key generation and exchange with Public-Key Cryptography (Diffie-Hellman), (H.323, SIP)
- 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+, Chrome 16.0+

## Options
- 4 / 9 Port Embedded MCU[2]
- Additional 1080p 60fps camera (connected to DVI-I)
- Support for SCOPIA Desktop and Mobile[2]
- Additional Digital Microphone Array Pod
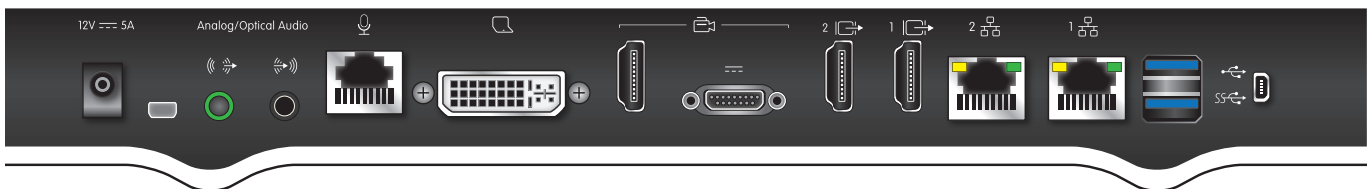- 12 Mbps Extended IP Bit Rate
- G.728 Audio

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

## Physical Characteristics
- Horizontal / Vertical Mounting:
  W: 29 cm (11.4")
  D: 16.5 cm (6.5")
  H: 4 cm (1.6")
  Weight: 2.4 kg (5.3 lb)
- Camera / Optional Camera
  W: 25.0 cm (9.8")
  H: 15.2 cm (6.0")
  D: 13.5 cm (5.3")
  Weight: 1.6 kg (3.5 lb)
- Microphone Pod:
  W: 14.0 cm (5.5")
  Weight: 0.3 kg (0.7 lb)

1. Optional
2. Available with future software update

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