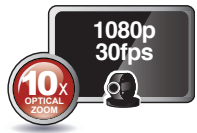# SCOPIA XT1000 Series

Never compromise again

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.

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.

Crisp, High Motion Data Sharing

Finally, 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 1080p 30fps so you can share presentations and even video clips with zero loss of quality.

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.

State of the Art Total Solution

The SCOPIA XT1000 room system complements RADVISION's innovative total video conferencing solution, including the VC240, a disruptive all-in-one HD desktop system, the SCOPIA Elite MCU offering multipoint power and scale, SCOPIA Desktop enabling HD conferencing on the go, and the SCOPIA Management Suite for deploying and managing distributed video conferencing deployments. With RADVISION's total solution you can enjoy a seamlessly integrated complete visual communications system.

Specifications

Communications
- IP: H.323, SIP (RFC 3261)
- ISDN[1] Supported through SCOPIA Gateway "peer-to-peer" automatic mode
- Bit rate: H.323, SIP: up to 4/12[1] Mbps
  H.320: up to 2 Mbps
- MCU compatibility: H.243, H.231

Video
- 2 simultaneous 1080p30 channels: camera + auxiliary camera[1] or camera + content
- H.261, H.263, H.263+, H.263++, H.264
- Dual video: H.239 (H.323); BFCP (SIP)
- HDMI input formats
  1920 x 1080 @ 25, 30fps
  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, 30fps: HD1080p25, 30
  1280 x 720 @ 25, 30, 50, 60fps: HD720p25, 30, 50[2], 60[2]
  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 1200 @ 60fps: WUXGA
  1920 x 1080 @ 25, 30, 50, 60fps
  1600 x 1200 @ 60fps: UXGA
  1440 x 900 @ 60fps: WSXGA
  1280 x 1024 @ 60, 75fps: SXGA
  1280 x 720 @ 25, 30, 50, 60fps
  1280 x 768 @ 60fps: WXGA
  1024 x 768 @ 60, 70, 75fps: XGA
  800 x 600 @ 56, 60, 72, 75fps: SVGA
  640 x 480 @ 60, 67, 72, 75fps: VGA
  When VGA PC output is connected to DVI input using an adapter, max. resolution is 1440 x 900
- PC content encoding formats:
  Same as DVI input formats @ 30fps
- HDMI output formats
  1920 x 1080 @ 25, 30fps
  1280 x 720 @ 25, 30, 50, 60fps
  1920 x 1080 @ 50, 60fps interlaced
  (for compatibility with some monitors)

HD Camera
- Resolution: 1920 x 1080
- Presets: 122
- Field of View (H): 8° - 74°
- PAN / Tilt: ± 100° / ± 25°
- Zoom: 10x (optical)
- Far End 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
- Frequency response:
  G.711: 300 – 3,400 Hz
  G.728: 50 – 3,400 Hz[1]
  G.729A: 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
  AAC-LD: 50 – 14,000 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:
  2 x HDMI (Up to 1080p30)
  1 x DVI-I (Up to 1920x1200 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)
  1 x 3.5 mm (1/8") line in jack for audio source
- Audio outputs:
  2 x HDMI
  1 x SPDIF (RCA)
  1 x 3.5 mm (1/8") headset / line out jack

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
- 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
- "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

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

Embedded HD Multipoint Control Unit[1]
- H.323, SIP and H.320 mixed mode
- 4 / 9 HD Continuous Presence participants
- Support for SCOPIA Desktop Client[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®+

Options
- 4 / 9 Port Embedded MCU
- Additional 1080p 30fps Camera
- Support for SCOPIA Desktop Client
- Sony® EVI HD7 60fps Camera
- SCOPIA Control application for Apple iPad
- Additional Digital Microphone Array Pod
- 12 Mbps Extended IP Bit Rate
- G.728, G.729A Audio
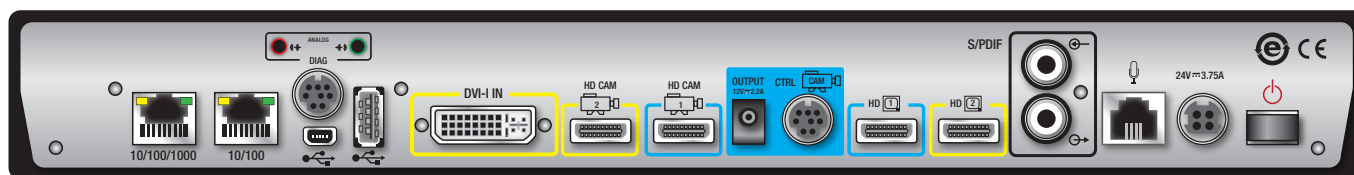- 1 x 10/100 Base-T full-duplex (RJ-45)

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)

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

MKT-1006A-EN 01/11

RADVISION®
Delivering the Visual Experience ®