



**Devices and Phones**

**Avaya XT5000  
Room System**

**Exceptional  
Experience,  
Extraordinary  
Power**

The Avaya XT5000 provides exceptional video, audio, and data quality along with ease-of-use designed to make users successful. The XT5000 incorporates dual 1080p 60fps live video and content, HD audio, simultaneous H.264 High Profile and Scalable Video Coding (SVC), and multi-party calling. Available PTZ cameras offer up to 20x optical zoom (12x digital) to view details and include wide-angle capability for group participation.

The second video stream can be used with an additional camera or for high resolution 60fps data and content sharing. An embedded MCU with support for continuous presence with up to 9 participants is available. The advanced audio system delivers CD-quality, 20kHz stereo audio for added presence to meetings, and the available three-way beam forming digital microphone pod isolates speakers from background noise. The user interface is designed for simplicity along with Apple iPad or iPhone control for enhanced capabilities. The XT5000's refinement not only enhances the user experience but its modern hardware design complements any conference room.

**Exceptional Experience**

The Avaya XT5000 provides an exceptional meeting experience. Simultaneous HD 1080p 60fps for live video and content and CD-quality, 20kHz stereo audio deliver a comfortable, high clarity experience. H.264 High Profile provides bandwidth efficiency and H.264 Scalable Video Coding (SVC) offers high network error resiliency. The XT5000 delivers excellent performance in real-world network conditions.



**With more than 100 years as a leader in communications, Avaya can help your company maximize productivity with the communications solutions specific to the needs of your workforce.**

### **Extraordinary Power**

The XT5000 harnesses significant power for demanding conferencing applications. Two full 1080p 60fps video channels, H.264 High Profile and SVC, an embedded 9-way multi-party MCU, Apple iPad and iPhone control—all combine to make the XT5000 one of the most powerful video conferencing systems ever created in its class.

### **Intuitive, Easy to Use**

The XT5000 delivers intuitive meeting control with little or no training required. With Microsoft Exchange calendar support, users can join meetings directly from the integrated calendar. The on-screen participant list gives leaders full meeting moderation, and with Avaya Screen Link, users can wirelessly present content from their laptops. Avaya Mobile Link enables seamless meeting transitions with your Avaya Equinox™ mobile UC application, while optional Apple iPad or iPhone control makes the system even easier to use.

### **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.

### **All-in-one, Easy to Deploy**

The XT5000 is also offered as a unique all-in-one video collaboration solution combining its room system capabilities with embedded 9-way multi-party conferencing, along with desktop and mobile connectivity for remote participants including firewall traversal. The system can also be automatically configured with minimal user intervention. A provisioning code entered at startup configures the XT5000 with a profile created through Avaya Equinox, enabling deployment without technical resources.

## Available Cameras

					
Camera Model	Advanced Camera II 20x 1080p60	Deluxe Camera 12x 1080p60	Flex Camera 5x 1080p60	HC020 1080p30	HC050 12x 1080p30
Image device		Exmor CMOS 1/2.8"		4K@30/25 CMOS1/2.7"	CMOS1/2.7"
Video Formats with laptop	Not applicable	Not applicable	Not applicable	4K@30/25 1080p60/50/30/25	1080p30/25 720p30/25
Video Formats with XT	1080p60/50/30/25 720p60/50/30/25	1080p60/50/30/25 720p60/50/30/25	1080p60/50/30/25 720p60/50/30/25	1080p30 / 720p30	1080p30 / 720p30
Video signal	Uncompressed on HDMI	Uncompressed on HDMI	Uncompressed on HDMI	Compressed (H.264) on USB or uncompressed on HDMI	Compressed (H.264) on USB
Focal Length	f = 4.7 - 94 mm F1.6 to F3.5	f=3.9 to 47.3 mm, F1.8 to F2.8	f=3.2 - 20 mm, F1.8 - 4.3	f=2.8mm	f3.5mm - 42.3mm, F1.8 - F2.8
Min object distance (wide)	1000(Wide) - 1500(Tele) mm	500mm (20inches)	600mm (24inches) in standard mode and 300 in wide mode	500mm	100mm
Min illumination	1.0 lux (F1.6, 50IRE, 60fps)	1.6 lx (F1.84, 50 IRE, 60fps)	1.3 lx (F1.8, 50 IRE 60fps)	0.05 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)
HFoV	63°	74°	80° (***)	104°	72°
VFoV	36°	44°	48° (***)	68°	43°
Optical Zoom (*)	20x	12x	5x	NA	12x
Digital Zoom (*)	12x	4x	8x	8x	16x
Pan Range	+/- 170°	+/- 100°	+/- 100°	ePTZ (**)	+/-170°
Tilt Range	-30° - +90°	+/- 25°	+/- 25°	ePTZ (**)	+/- 30°
Serial Control	Serial In - Out	Serial In - Out	Serial In	Via USB	Serial In - Out - USB
Ceiling Mount	Supported	Supported	Supported	Supported	Supported
Camera mount	Basic kit for ceiling mount included in the box	XT Camera mount (55111- 00056) available for wall mount and display mount.	mount (55111- 00056) available for wall mount and display mount.	Tripod screw hole (1/4-20 UNC)	Tripod screw hole (1/4-20 UNC)
Weight	2 kg (4.4 lbs.)	1.3 Kg (2lbs 14oz)	1.3 Kg (2lbs 14oz)	0.35Kg	0.91Kg
Dimensions w/h/d	174 x 186 x 187 mm (6.9" x 7.3" x 7.3")	268 x 156 x 124 mm (10.5 x 6.1 x 4.8 inches)	268 x 156 x 123 mm (10.5 x 6.1 x 4.8 inches)	194mm x 34mm x 42mm (without bracket)	128.5mm x 118mm x 156.2mm
Current consumption (max)	2.5 A	2.2 A	2.2 A	1 A	1A
Use with Equinox Client	No	No	No	Yes	Yes
Video configurations	White balance (auto/manual); Focus Mode (auto/manual); Sharpness; Backlight; Exposure Compensation; Picture (auto/manual) and WDR level				
Voltage Range	12V nominal (10.8 to 13.0 V)	12V nominal (10.8 to 13.0 V)	12V nominal (10.8 to 13.0 V)	5V(USB)	DC 12V
IR repeater as TTL signal	On pin 7 Serial In	On pin 7 Serial IN	On pin 7 Serial IN	Not available	Not available
Camera Output	DVI-I	DVI-I	DVI-I	USB-HDMI	USB
Microphone	Not included	Not included	Not included	Included, frequency response 50Hz - 8KHz, 3m radius omni (6m diameter), coverage 360°	Included, frequency response 50Hz - 8KHz, 3m radius omni (6m diameter), coverage 360°
Presets	122 (for all connected cameras, directly on XT codec)				
Far end camera control	Through XT codec (H.224, H.281)				

(\*) Zoom factor can be limited to 5x on some XT Models, such as XT for IPO. Zoom Upgrade license allows enabling full zoom features of selected model

(\*\*) Digital Pan Tilt is supported when camera zoom is enabled.

(\*\*\*) Upgradable to **HFoV 84°/ VFoV 51°** with XT advanced settings on future firmware release

## Available Microphones

		
<b>Model</b>	<b>XT 1-way POD</b>	<b>XT Premium 3-way POD</b>
<b>Type</b>	1 x condenser half cardioid	3 x condenser half cardioid
<b>Audio Channels</b>	1x mono	3x mono or 1x stereo
<b>Frequency Response</b>	30-20,000Hz	50-22,000Hz
<b>Coverage</b>	3m (9.8') radius cardioid / 180°	6m (19.7') diameter omnidirectional / 360°
<b>Output Impedance / Configuration</b>	250 ohm / Balanced	Digital / Custom interface
<b>Sensitivity</b>	-53dB +/-3dB	-37dB +/-3dB
<b>Maximum SPL</b>	130dB	110dB
<b>Signal to Noise Ratio</b>	>60dB	>68dB
<b>Mute Switch</b>	—	Yes
<b>Cable Length and Connector Type</b>	6m (19.7'), stereo jack 3.5mm (1/8") to Mini XLR 3 pole female	6m (19.7'), RJ11 6 pole plug
<b>Weight</b>	380g (0.8lb)	450g (1.0lb)
<b>Dimensions w/h/d</b>	12.0 x 2.0 x 11.0cm (4.7 x 0.8 x 4.3")	13.4cm (5.3") diameter x 2.5cm (1.0") h
<b>Power Requirements</b>	9-52V Phantom, 1.0mA max.	12V, 70mA max.

## XT5000 Specifications

### Communications

- IP: H.323, SIP (RFC 3261)
- Bit rate: H.323, SIP: up to 6/121Mbps
- MCU compatibility: H.243, H.231
- XMPP Presence Server support

### Video

- 2 simultaneous 1080p60 channels: camera + auxiliary camera or camera + content
- H.263, H.263+, H.263++, H.264, H.264 High Profile, SVC
- Dual: H.239 (H.323); BFCP (SIP)
- Avaya Multi-Stream Switching (MSS) video<sup>2</sup>

### HDMI input formats

1920 x 1080p @ 25, 30, 50, 60fps  
 1280 x 720p @ 25, 30, 50, 60fps  
 720 x 576p @ 50fps  
 720 x 480p @ 60fps  
 640 x 480p @ 60fps

### • Live video encoding formats

1920 x 1080p @ 25, 30, 50, 60fps  
 1280 x 720p @ 25, 30, 50, 60fps  
 1024 x 576p @ 25, 30fps: w576p  
 848 x 480p @ 25, 30fps: w480p  
 768 x 448p @ 25, 30fps: w448p  
 704 x 576p @ 25, 30fps: 4CIF  
 704 x 480p @ 25, 30fps: 4SIF  
 624 x 352p @ 25, 30fps: w352p  
 576 x 336p @ 25, 30fps  
 512 x 288p @ 25, 30fps: wCIF  
 416 x 240p @ 25, 30fps: w240p  
 400 x 224p @ 25, 30fps  
 352 x 288p @ 25, 30fps: CIF  
 352 x 240p @ 25, 30fps: SIF

### • DVI input formats

1920 x 1080p @ 60fps  
 1600 x 900p @ 60fps (digital only)  
 1440 x 900p @ 60fps: WSXGA  
 1400 x 1050 @ 60fps  
 1280 x 1024p @ 60, 75fps: SXGA  
 1280 x 1024 @ 60fps  
 1280 x 960p @ 60, 85fps: SXGA

1280 x 768p @ 60fps: WXGA  
 1280 x 800p @ 60fps: WXGA  
 1280 x 720p @ 60fps  
 1024 x 768p @ 60, 70, 75fps: XGA  
 800 x 600p @ 60, 72, 75fps: SVGA  
 640 x 480p @ 72, 75fps: VGA

### • PC content encoding formats:

Up to 1080p @ 60fps

### • HDMI output formats

1920 x 1080 @ 25, 30, 50, 60fps  
 1280 x 720 @ 50, 60fps

## Content Sharing / Web Collaboration

- Dual video: H.239 (H.323); BFCP (SIP)
- Avaya Equinox native web collaboration
- Avaya Equinox chat and web collaboration pointer tool via Control<sup>2</sup>

## Recording

- Recording on USB drive (with dual display systems, both displays show the same images while recording; uses 2 ports of the 9 port MCU, no impact on 4 port MCU)
- USB drive formats: FAT32, EXT2, EXT3, EXT4
- Recording formats: MP4 file
- Time watermark on recorded files<sup>2</sup>
- Digital signature for recorded files<sup>2</sup>

## Audio

- Stereo audio with Premium 3-way POD
- Acoustic echo cancellation
- Adaptive post filtering
- Audio error concealment
- Automatic Gain Control (AGC)
- Automatic noise suppression
- **Frequency response:**
  - G.711: 300-3,400Hz
  - G.728: 50-3,400Hz<sup>1</sup>
  - G.729A: 50-3,400Hz<sup>1</sup>
  - G.722, G.722.1: 50-7,000Hz
  - G.722.1 Annex C: 50-14,000Hz
  - AAC-LD: 50-14,000Hz
  - AAC-LC: 50-14,000Hz
  - G.719: 50-20,000Hz
  - Opus: 50-20,000Hz<sup>2</sup>

## Audio/Video Interfaces

- **Video inputs:**
  - 1 x HDMI
  - 1 x DVI-I
  - 3 x Additional HDMI via switcher<sup>1</sup>
- **Video outputs:**
  - 2 x HDMI for dual display
- **Audio inputs:**
  - 1 x HDMI
  - 1 x Microphone Array Pod (RJ11)
  - 1 x 3.5mm (1/8") line in jack for audio source (analog / digital with mini-TOSLINK adapter)
  - 3 x Additional HDMI via switcher<sup>1</sup>

- **Audio outputs:**

- 2 x HDMI
- 1 x 3.5mm (1/8") line out jack (analog / digital with mini-TOSLINK adapter)

## Auxiliary Camera Interface

- VISCA RS232 for PTZ control (Mini-DIN 8-pin)

## USB Ports

- 1 x USB2
- 1 x USB3
- Supports recording, firmware upgrade, USB to serial adapter for control, limited headsets and USB2 cameras

## Network Features

- IPv4 and IPv6 simultaneous support
- Auto Gatekeeper discovery
- QoS support: IP Precedence, IP Type of Service (ToS), Differentiated Services (diffserv)
- Avaya NetSense bandwidth adaptation for high quality over unmanaged networks
- DTMF tones: H.245, RFC2833
- SNTP date and time synchronization
- **IP adaptive packet management**
  - Flow control
  - Packet Loss based down-speeding
  - Packet Loss recovery policies

## Network Protocols

- DHCP, DNS, HTTP, HTTPS, RTP/RTCP, SNTP, STUN, TCP/IP, TELNET, TFTP, 802.1Q, 802.1X

## Network Interfaces

- 2 x 10/100/1000 Base-T full-duplex (RJ45)

## Firewall Traversal

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

## User Interface

- 24 language on-screen user interface
- Infrared remote control
- API for endpoint control
- Control application for Apple iPad and iPhone
- Microsoft Exchange calendar integration
- Bitmap and logo customization<sup>1</sup>

## Directory Service & Address Book

- LDAP Client (H.350)
- Receive global address book from LDAP Server including Avaya Equinox

## Multipoint Control Unit<sup>1</sup>

- H.323 and SIP mixed mode
- 4 / 9 HD continuous presence participants
- Desktop and Mobile Client support<sup>1</sup>
- Dial-in / Dial-out capabilities
- Encryption for up to 4 connected participants<sup>3</sup>
- Automatic continuous presence layouts
- Dual-video from any site
- Lecturer mode on system hosting the conference
- XT MCU cascading (up to 65 participants in conference with 8 MCU slaves)<sup>2</sup>

### Support Services

Avaya offers complete support services to help maximize your video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to your business requirements.

Avaya support services maximize up time with software updates, upgrades, and remote maintenance.

### Security Features

- Embedded encryption<sup>3</sup>
- H.323 security per H.235v3/Annex D
- SIP security per SRTP and TLS 1.2, enciphering up to AES-256
- SIP "Digest" authentication (MD5)
- RTP media enciphering with AES-256
- Public-Key including Diffie-Hellman (2048 bits), RSA (up to 4096 bits)
- Cryptographic hash (up to SHA-512)
- Web access via HTTPS
- API access via SSH
- Selective enable / disable of IP features
- White list support
- Avaya Enhanced Access Security Gateway (EASG) support<sup>2</sup>

### Web Management

- Configuration, call, diagnostics and management functions are accessible with Internet Explorer 8.0+, Firefox 3.6+, Safari 5.0+, Chrome 11.0+, Opera 11+

### Power Supply

- 100-240VAC, 50-60Hz, 2.5A max.

### Physical Characteristics

- **Horizontal/Vertical Mounting:**  
W: 29.0cm (11.4")  
D: 16.5cm (6.5")  
H: 4.0cm (1.6")  
Weight: 2.4kg (5.3lb)

### Learn More

For additional information, or for an Avaya demonstration, contact your Avaya Account Manager or Avaya Authorized Partner or visit us at: [www.avaya.com](http://www.avaya.com).

1. Optional.

2. With version 9.1.

3. Encryption is subject to local regulations and in some countries, is restricted or limited. Please contact your Avaya representative for details.



### Highlights

- Exceptional Experience
- Extraordinary Power
- Intuitive, Easy to Use
- Sleek and Elegant Design
- All-in-one, Easy to Deploy

### XT5000 Options

- 4/9 Port Embedded 1080p30 MCU
- Desktop and Mobile Client Support
- Extended IP Bit Rate: Multipoint = 12Mbps, P2P = 10/8Mbps (SIP/H.323)
- Advanced Audio Codec Pack (G.728 and G.729A)
- Full Brand Customization
- 4 HD Port Camera / Source Switch
- Codec Wall Mount
- Camera Wall Mount
- Carts supporting one or two displays

### About Avaya

Businesses are built on the experiences they provide and every day millions of those experiences are built by Avaya (NYSE:AVYA). For over one hundred years, we've enabled organizations around the globe to win—by creating intelligent communications experiences for customers and employees. Avaya builds open, converged and innovative solutions to enhance and simplify communications and collaboration—in the cloud, on premise, or a hybrid of both. To grow your business, we're committed to innovation, partnership, and a relentless focus on what's next. We're the technology company you trust to help you deliver Experiences that Matter. Visit us at [www.avaya.com](http://www.avaya.com).

