Devices and Phones

Avaya Room System XT5000

Exceptional Experience, Extraordinary Power

The Avaya Room System 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 Workplace 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 Workplace, enabling deployment without technical resources.

Available Cameras

Camera Model	Advanced Camera II 20x 1080p60	Deluxe Camera 12x 1080p60	Flex Camera 5x 1080p60	HC020 1080p@30	HC050 12x 1080p30	Tracking Camera TC220
Image device		Exmor CMOS 1/2.8''		4K@30/25 CMOS 1/2.5''	CMOS 1/3''	CMOS 1/2.8''
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	1080p60/50/30/25, 720p60/50
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	Compressed (H.264 & H.265) or uncompressed on HDMI & 3G-SDI
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	f = 3.9 - 46.8 mm F1.6 - 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	500(Wide) - 1000(Tele) mm
Min illumination	1.0 lux (F1.6, 50IRE, 60fps)	0.5 lux (F1.6, 50 IRE, 60 fps)	1.3 lx (F1.8, 50 IRE 60fps)	0.05 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 lux (F1.6, AGC ON)
HFoV	63°	74°	80° (***)	104° (up to 123°)	72.5°	72.5°
VFoV	36°	44°	48° (***)	68°	43°	42°
Optical Zoom (*)	20x	12x	5x	NA	12x	12x
Digital Zoom (*)	12x	4x	8x	8x	16x	12x
Pan Range	+/- 170°	+/- 100°	+/- 100°	ePTZ (**)	+/-170°	+/- 90°
Tilt Range	-30° ~ +90°	+/-30°	+/- 30°	ePTZ (**)	+/- 30°	-30° ~ +90°
Serial Control	Serial In – Out	Serial In - Out	Serial In	Via USB	Serial In – Out - USB	Serial In – Out, Via Network
Ceiling Mount	Supported	Supported	Supported	Supported	Supported	Not 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)	Available for wall mount and Tripod screw hole (1/4-20 UNC)
Weight	2 kg (4.4 lbs.)	1.3 Kg (2lbs 14oz)	1.3 Kg (2lbs 14oz)	0.34Kg	0.91Kg	3Kg
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	500mm x 162mm x 137mm
Current consumption (max)	2.5 A	2.2 A	2.2 A	0.6 A	1A	2A
Use with Workplace 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	12V nominal (10.8 to 13.2 V)
IR repeater as TTL signal	On pin 7 Serial IN	On pin 7 Serial IN	On pin 7 Serial IN	Not available	Not available	On pin 7 Serial In
Camera Output	DVI-I	DVI-I	DVI-I	USB 3.0 - HDMI	USB 3.0	HDMI /3G-SDI
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)					128
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.

Available Microphones

Model	XT 1-way POD	XT Premium 3-way POD
Type	1 x condenser half cardioid	3 x condenser half cardioid
Audio Channels	1x mono	3x mono or 1x stereo
Frequency Response	30-20,000Hz	50-22,000Hz
Coverage	3m (9.8') radius cardioid / 180°	6m (19.7') diameter omnidirectional / 360°
Output Impedance / Configuration	250 ohm / Balanced	Digital / Custom interface
Sensitivity	-53dB +/-3dB	-37dB +/-3dB
Maximum SPL	130dB	110dB
Signal to Noise Ratio	>60dB	>68dB
Mute Switch	—	Yes
Cable Length and Connector Type	6m (19.7'), stereo jack 3.5mm (1/8") to Mini XLR 3 pole female	6m (19.7'), RJ11 6 pole plug
Weight	380g (0.8lb)	450g (1.0lb)
Dimensions w/h/d	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
Power Requirements	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 6/12[1] Mbps
- 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[2]
- RTMP support for video streaming
- RTSP support for video streaming

Important:

platforms listed below are for convenience only and are subject to change without notice.

Facebook, Periscope/Twitter, YouTube, Adobe Media Server Live Stream, Meridix, NGINX, Red5 Media Server, Restream.io, Twitch, Ustream, Wowza Streaming Server

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 Workplace native web collaboration
- Avaya Workplace chat and web collaboration pointer tool via Control[2]

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[2]

- Digital signature for recorded files[2]

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
  G.729A: 50-3,400Hz
  G.729AB: 50-3,400Hz
  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[2]

Audio/Video Interfaces

- **Video inputs:**
  1 x HDMI
  1 x DVI-I
  3 x Additional HDMI via switcher[1]

- **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[1]

- **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, 802.1p

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

- 25 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[1]

- Standard Android compatible touch screens support

- Automatic Configuration using credentials on Equinox on prem

- RTSP support for video streaming

- Preset for USB camera

Directory Service & Address Book

- LDAP Client (H.350)

- Receive global address book from LDAP Server including Avaya Workplace

Multipoint Control Unit[1]

- H.323 and SIP mixed mode

- 4 / 9 HD continuous presence participants

- Desktop and Mobile Client support[1]

- Dial-in / Dial-out capabilities

- Encryption for up to 4 connected participants[3]

- 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)[2]

Security Features

- Embedded encryption[3]

- 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)

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.

- 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[2]

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+
- Automatic Firmware Upgrade through Cloud

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)

Interoperability

- Calendar integration for third party cloud like Zoom, BlueJeans, Webex, Pexip
- For detailed information, please contact an Avaya representative for the interoperability report.
- Interoperability with Open SIP platforms like Broadsoft 22.0, Asterisk™ 16.5, 3CX™ 16.0, FreeSWITCH™ 1.8, Cisco, Polycom, Huawei, Lifesize, Yealink video systems, Cisco Webex (via SIP gateway), Blue Jeans, Zoom, Hangouts, Pexip, Starleaf

Software Platform

- Avaya Aura® 7.0 & Avaya IP Office™ 11.0

Support for Avaya Spaces Meeting via SIP Gateway

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.

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)
- Full Brand Customization
- 4 HD Port Camera / Source Switch
- Codec Wall Mount
- Camera Wall Mount
- Carts supporting one or two displays

Highlights

- Exceptional Experience

- Extraordinary Power

- Intuitive, Easy to Use

- Sleek and Elegant Design

- All-in-one, Easy to Deploy

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.

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.

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