Avaya Room System XT4300

The Avaya Room System XT4300 offers outstanding value and costeffective full HD video collaboration specifically designed for the needs of small and mid-size conference rooms. Incredibly powerful, the system includes many features often found with costly upgrades in other vendor offerings.

The XT4300 is well equipped and includes dual HD 1080p 60fps live video and content sharing, dual display support, HD audio, H.264 High Profile and Scalable Video Coding (SVC) for network efficiency and error resiliency, along with a wide-angle PTZ camera for group participation. A range of affordable options is available including an embedded four participant MCU delivering continuous presence multi-party conferencing, desktop and mobile collaboration, and control via an Apple iPad or iPhone for enhanced meeting management. A variety of cameras is also available for flexibility in meeting specific installation requirements.

The XT4300 is a natural fit for today's businesses with a user interface built for simplicity and a modern design to complement any conference room.

Efficient Full HD Performance

The XT4300 delivers efficient full HD performance featuring H.264 High Profile for bandwidth efficiency and H.264 SVC for high quality images, even in unpredictable network environments. The XT4300 also offers dual 1080p 60fps HD video and content sharing, along with HD audio.

Outstanding Value

The XT4300 offers outstanding value including a comprehensive set of features that can be costly upgrades in other vendor offerings. Dual 1080p 60fps full HD video, dual display support, H.264 High Profile, H.264 SVC, and a wide angle PTZ camera are all included for cost-effective video communications. A range of affordable options to enhance the system is also available.

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Highlights

- Efficient Full HD Performance
- Outstanding Value
- Intuitive, Easy to Use
- Embedded Multi-party Conferencing
- All-in-one, Easy to Deploy

Intuitive, Easy to Use

The XT4300 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 application, while Apple iPad® or iPhone® control makes the system even easier to use.

Embedded Multi-party Conferencing

The XT4300 offers optional embedded multi-party continuous presence conferencing with support for up to four participants. This dedicated multipoint collaboration capability is always at the ready for impromptu group meetings in today's fast-paced business environment and requires no external bridging capabilities or services.

All-in-one, Easy to Deploy

The XT4300 is offered as a unique all-in-one video meeting solution combining its room system capabilities with embedded 4-way multiparty conferencing, along with desktop and mobile connectivity for remote participants including firewall traversal. Cascading to additional XT systems enables even larger meetings. The system can also be automatically configured with minimal user intervention. A provisioning code entered at startup configures the XT4300 with a profile created through Avaya Workplace, enabling deployment without technical resources.

XT4300 is also a key part of your Avaya Cloud. Use Avaya Spaces®, Avaya Cloud Office® and Avaya One Cloud™ Solutions for Calling, Meeting, Messaging and More!

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Available Cameras

Camera Model	Avaya Room Camera RC100 24x at 1080p60/ 12x at 2160p60	Flex Camera 5x 1080p60	HC020 2160p30	HC050 12x 1080p30	Tracking Camera TC220
Image device	CMOS 1/2.8''	CMOS 1/2.8''	4K at 30/25CMOS1/2.7"	CMOS1/2.7"	CMOS1/2.8"
Video Formats with laptop	2160p60/50/30/25, 1080p60/50/30/25, 720p60/50/30/25	Not applicable	2160p30/25, 1080p60/50/30/25	1080p30/25/50/60, 720p30/25/50/60	1080p25/1080p30 (AV grabber needed as HDMI to USB adapter)
Video Formats with XT	Using HDMI: 1080p60/50/30/25, 720p60/50/30/25 Using USB: 1080p30/25, 720p30/25	1080p60/50/30/25, 720p60/50/30/25	1080p30/720p30	1080p30/720p30	1080p60/50/30/25, 720p60/50
Video signal	HDMI (up to 4Kp60), H.264 and MJPEG (up to 4Kp30) on USB	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 = 3.4 ~ 40.3mm , F 1.8 ~ 3.6	f = 3.9 ~ 19.5 mm, F1.6 to F2.5	f = 2.8mm	f = 3.5 ~ 42.3mm , F1.8 ~ F2.8	f = 3.9 ~ 46.8 mm , F1.6 ~ F2.8
Min object distance (wide)	f = 3.4 ~ 40.3mm, F 1.8 ~ 3.6	500mm (19.6'')	500mm (19.6'')	100mm (3.93'')	500(Wide) - 1000(Tele) mm (19.68 (Wide) ~ 39.37(Tele)'')
Min illumination	0.5 lux at (F1.8, AGC ON)	0.5 lux (F1.6, 50 IRE, 60 fps)	0.05 lux at (F1.8, AGC ON)	0.5 lux at (F1.8, AGC ON)	0.5 lux (F1.6, AGC ON)
HFoV	81°	72°	104° (up to 123°)	72°	72.5°
VFoV	50°	43°	68° (up to 80°)	43°	42°
Full HD Zoom	24x	5x	2x	12x	12x
Optical Zoom	12x at 2160p	5x at 1080p	NA	12x at 1080p	12x at 1080p
Digital Zoom (*)	8x	8x	8x	16x	12x
Pan Range	+/- 130°	+/- 100°	ePTZ (**)	+/-170°	+/- 90°
Tilt Range	-30° ~ +90°	+/- 30°	ePTZ (**)	+/- 30°	-30° ~ +90°
Camera Control	Serial Visca in-out and UVC over USB	Serial Visca in	UVC over USB	Serial Visca in-out and UVC over USB	Serial Visca in
Ceiling Mount	Supported	Supported	Supported	Supported	Not supported
Camera mount	1/4-20 UNC screw hole wall mount included.	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	1.69kg (3.72 lbs.)	1.3 Kg (2.8 lbs.)	0.34Kg (0.74 lbs.)	0.91Kg (2.0 lbs.)	3Kg (6.6 lbs.)
Dimensions w/h/d	250x165x135mm (9.84x6.49x5.31")	268 x 156 x 123 mm (10.5 x 6.1 x 4.8")	194x34x42mm (7.63x1.33x1.65") (without bracket)	128.5x118x156.2mm (5.05x4.64x6.14")	500x162x137mm (19.68x6.37x5.39")
Current consumption (max)	2.5A	2.2 A	0.6 A	1A	2A
Avaya & 3rd Party Clients Supported	Yes	No	Yes	Yes	Yes via Audio Video Grabber
Video configurations	White balance (auto/manual); Focus Mode (auto/manual); Sharpness; Backlight; Exposure Compensation; Picture (auto/manual) and WDR level				
Voltage Range	12V +/-5%	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	Not available	Not available	On pin 7 Serial In
Camera Output	HDMI, USB 2.0	DVI-I	USB 3.0 - HDMI	USB 3.0	HDMI /3G-SDI
Microphone	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°	Array Microphone for Tracking Feature
Presets	122 (for all connected cameras, directly on XT codec)				
Far end camera control	Through XT codec (H.224, H.281)				
S/N dB	-	S/N>50dB	-	S/N≥ 55dB	S/N≥ 50dB

(*) 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.

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Available Microphone

Model	XT 1—way POD (Standard)	XT Premium 3—way POD (Optional)
Type	1x condenser half cardioid	3x 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.

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.

XT4300 Specifications

Communications

- IP: H.323, SIP (RFC 3261)
- Bit rate: H.323, SIP: up to 4/12 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, H.264 SVC
- Dual: H.239 (H.323); BFCP (SIP)
- Avaya Multi—Stream Switching (MSS) video
- RTMP support for video streaming
- RTSP support for video streaming
- RTX support for error resiliency with Spaces

- **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 **Recording License needed**

- **HDMI input formats**

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

- **Live video encoding formats**

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

- **DVI input formats**

  1920 x 1080p at 60fps
  1600 x 900p at 60fps (digital only)
  1440 x 900p at 60fps: WSXGA
  1400 x 1050 at 60fps
  1280 x 1024p at 60, 75fps: SXGA
  1280 x 1024 at 60fps
  1280 x 960p at 60, 85fps: SXGA
  1280 x 800p at 60fps: WXGA
  1280 x 768p at 60fps: WXGA
  1280 x 720p at 60fps
  1024 x 768p at 60, 70, 75fps: XGA
  800 x 600p at 60, 72, 75fps: SVGA
  640 x 480p at 72, 75fps: VGA

- **PC content encoding formats:**

  Up to 1080p at 60fps

- **HDMI output formats**

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

Recording[1]

- Recording on USB drive (with dual display systems, both displays show the same images while recording)

- USB drive formats: FAT32, EXT2, EXT3, EXT4

- Recording formats: MP4 file

- Time watermark on recorded files

- Digital signature for recorded files

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

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Support Services

Avaya offers a full set of services to help maximize a video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to business requirements.

Avaya support services maximizes up time with software updates, upgrades, remote maintenance and expert repairs.

G.719: 50-20,000Hz
Opus: 50-20,000Hz

Audio/Video Interfaces

- **Video inputs:**

  1 x HDMI
  1 x DVI-I

- **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)

- **Audio outputs:**

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

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

- Date and time support using Network Time Protocol (NTP)

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- **IP adaptive packet management**

  Flow control
  Packet Loss based down-speeding
  Packet Loss recovery policies

Network Protocols

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

Network Interfaces

- 2 x 10/100/1000 Base-T full-duplex (RJ-45) (2nd GLAN is optional)

Firewall Traversal

- Auto NAT discovery HTTP and STUN

- H.460.18, H.460.19

- "Keep Alive" packet time configurable

Camera Interface

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

User Interface

- 25 language on-screen user interface

- Infrared remote control

- API for endpoint control

- Control application for Apple iPad and iPhone[1]

- Microsoft Exchange calendar integration

- Bitmaps and logo customization[1]

- Standard Android™ (Android is a trademark of Google LLC) compatible touch screens support

- Automatic Configuration using credentials on Workplace on prem

- Transmit the Site Name in overlay

- 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 HD continuous presence participants

- Desktop and Mobile Client support[1]

- Dial-in/Dial-out capabilities

- Encryption[2]

- Automatic continuous presence layouts

- Dual-video from any site

- Lecturer mode on system hosting the conference

- XT MCU cascading Power Supply

- 100-240VAC, 50-60Hz, 2A 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)

Software Platform

- Avaya Aura® 7.0 & Avaya IP Office™ 11.0

Security Features

- Embedded encryption[2]

- 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)

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- Web access via HTTPS

- API access via SSH

- Selective enable/disable of IP features

- White list support

- Avaya Enhanced Access Security Gateway (EASG) support

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

Interoperability

- Avaya Cloud Office® audio calls via SIP gateway
  Note: SIP gateway only audio, video support expected on Q2 CY22

- Avaya Aura® 7.0 & Avaya IP Office™ 10.0

- Avaya Spaces®

- Avaya One Cloud™

- Calendar integration for third party cloud like Zoom, BlueJeans, Webex, Pexip

- For detailed information, please contact an Avaya representative for the interoperability report

- Pexip management support

- Support to DingTalk SIP cloud service

- 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

Support for Avaya Spaces Meeting via SIP Gateway

XT4300 Options

- 4 Port Embedded 1080p30 MCU

- Desktop and Mobile Client Support

- Extended IP Bit Rate: Multipoint = 12Mbps, P2P = 10/8Mbps (SIP/H.323)

- Full Brand Customization

- Recording on USB Drive

- Premium XT 3-way Microphone Array Pod (Stereo Audio)

- Advanced, Premium and Deluxe Cameras

- Codec Wall Mount

- Camera Wall Mount

- Carts supporting one or two displays

Learn More

For additional information, or for an Avaya demonstration, contact your Avaya Account Manager or Avaya Authorized Partner or visit the **Avaya online catalog**.

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

About Avaya

Businesses are built by the experiences they provide, and every day millions of those experiences are delivered by Avaya Holdings Corp. (NYSE: AVYA). Avaya is shaping what's next for the future of work, with innovation and partnerships that deliver game-changing business benefits. Our cloud communications solutions and multi-cloud application ecosystem power personalized, intelligent, and effortless customer and employee experiences to help achieve strategic ambitions and desired outcomes. Together, we are committed to help grow your business by delivering Experiences that Matter.
Learn more at www.avaya.com