



Avaya Room System XT4300

The Avaya Room System XT4300 offers outstanding value and cost-effective 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.



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.



Available Cameras

						
Camera Model	Advanced Camera II 20x 1080p60	Deluxe Camera 12x 1080p60	Flex Camera 5x 1080p60	HC020 2160p30	HC050 12x 1080p30	Tracking Camera TC220
Image device		Exmor CMOS 1/2.8"		4K@30/25CMOS1/2.5"	CMOS1/3"	CMOS1/2.8"
Video Formats with laptop	Not applicable	Not applicable	Not applicable	2160p30/25 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 46.8 mm, F1.6 to F2.8	f=3.9 ~ 19.5 mm, F1.6 to F2.5	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)	500mm (20inches)	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)	0.5 lux (F1.6, 50 IRE, 60 fps)	0.05 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)	0.5 lux (F1.6, AGC ON)
HFoV	63°	72°	72°	104° (up to 123°)	72.5°	72.5°
VFoV	36°	43°	43°	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 13.0V)	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	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)					
S/N dB	S/N>50dB	S/N>50dB	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.

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 / 121 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 @ 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 800p @ 60fps: WXGA
 1280 x 768p @ 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

Recording¹

- 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

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

• 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 (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 iPhone¹
- Microsoft Exchange calendar integration
- Bitmaps and logo customization¹
- Standard Android 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 Unit¹

- H.323 and SIP mixed mode
- 4 HD continuous presence participants
- Desktop and Mobile Client support¹
- Dial-in / Dial-out capabilities
- Encryption²
- 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 encryption²
- 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

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

- 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

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