

## **Devices and Phones**

# Avaya Room System XT4300



## **Cost-Effective Full HD Video Collaboration**

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.



### Highlights

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

### 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.

### 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.



**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.**

### **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 multi-party 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


						
<b>Camera Model</b>	<b>Advanced Camera II 20x 1080p60</b>	<b>Deluxe Camera 12x 1080p60</b>	<b>Flex Camera 5x 1080p60</b>	<b>HC020 1080p@30</b>	<b>HC050 12x 1080p30</b>	<b>Tracking Camera TC220</b>
<b>Image device</b>		Exmor CMOS 1/2.8"		4K@30/25 CMOS1/2.5"	CMOS1/3"	CMOS1/2.8"
<b>Video Formats with laptop</b>	Not applicable	Not applicable	Not applicable	4K@30/25 1080p60/50/30/25	1080p30/25 720p30/25	-
<b>Video Formats with XT</b>	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
<b>Video signal</b>	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
<b>Focal Length</b>	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
<b>Min object distance (wide)</b>	1000(Wide) - 1500(Tele) mm	500mm (20inches)	600mm (24inches) in standard mode and 300 in wide mode	500mm	100mm	500(Wide) - 1000(Tele) mm
<b>Min illumination</b>	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)
<b>HFoV</b>	63°	74°	80° (***)	104° (up to 123°)	72.5°	72.5°
<b>VFoV</b>	36°	44°	48° (***)	68°	43°	42°
<b>Optical Zoom (*)</b>	20x	12x	5x	NA	12x	12x
<b>Digital Zoom (*)</b>	12x	4x	8x	8x	16x	12x
<b>Pan Range</b>	+/- 170°	+/- 100°	+/- 100°	ePTZ (**)	+/-170°	+/- 90°
<b>Tilt Range</b>	-30° - +90°	+/-30°	+/- 30°	ePTZ (**)	+/- 30°	-30° - +90°
<b>Serial Control</b>	Serial In - Out	Serial In - Out	Serial In	Via USB	Serial In - Out - USB	Serial In - Out, Via Network
<b>Ceiling Mount</b>	Supported	Supported	Supported	Supported	Supported	Not supported
<b>Camera mount</b>	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)
<b>Weight</b>	2 kg (4.4 lbs.)	1.3 Kg (2lbs 14oz)	1.3 Kg (2lbs 14oz)	0.34Kg	0.91Kg	3Kg
<b>Dimensions w/h/d</b>	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
<b>Current consumption (max)</b>	2.5 A	2.2 A	2.2 A	0.6 A	1A	2A
<b>Use with Workplace Client</b>	No	No	No	Yes	Yes	
<b>Video configurations</b>	White balance (auto/manual); Focus Mode (auto/manual); Sharpness; Backlight; Exposure Compensation; Picture (auto/manual) and WDR level					
<b>Voltage Range</b>	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)
<b>IR repeater as TTL signal</b>	On pin 7 Serial IN	On pin 7 Serial IN	On pin 7 Serial IN	Not available	Not available	On pin 7 Serial In
<b>Camera Output</b>	DVI-I	DVI-I	DVI-I	USB 3.0 - HDMI	USB 3.0	HDMI /3G-SDI
<b>Microphone</b>	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°	
<b>Presets</b>	122 (for all connected cameras, directly on XT codec)					128
<b>Far end camera control</b>	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

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

## XT4300 Specifications

### Communications

- IP: H.323, SIP (RFC 3261)
- Bit rate: H.323, SIP: up to 4 / 12Mbps
- 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

#### 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





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## Recording<sup>1</sup>

- 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
  - 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)

<sup>1</sup> Optional.

<sup>2</sup> Encryption is subject to local regulations and in some countries, is restricted or limited. Please contact your Avaya representative for details.

## 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.

## User Interface

- 25 language on-screen user interface
- Infrared remote control
- API for endpoint control
- Control application for Apple iPad and iPhone<sup>1</sup>
- Microsoft Exchange calendar integration
- Bitmaps and logo customization<sup>1</sup>
- Standard Android compatible touch screens support
- Automatic Configuration using credentials on Workplace on prem
- RTSP support for video streaming
- Preset for USB camera
- RTSP support for video streaming

## Directory Service & Address Book

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

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

- H.323 and SIP mixed mode
- 4 HD continuous presence participants
- Desktop and Mobile Client support<sup>1</sup>
- Dial-in / Dial-out capabilities
- Encryption<sup>2</sup>
- 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<sup>2</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

## 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
- 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



## 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).

## 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

