

Devices and Phones

Avaya XT4300 Room System



Cost-Effective Full HD Video Collaboration

The Avaya 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 Equinox™ 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 Equinox™, 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
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

		
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.

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) video²
- **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 Equinox native web collaboration
- Avaya Equinox chat and web collaboration pointer tool via Control²



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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 files²
- Digital signature for recorded files²

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: 50-3,400Hz¹
 - G.729A: 50-3,400Hz¹
 - 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: 50-20,000Hz²

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

Network Interfaces

- 2 x 10/100/1000 Base-T full-duplex (RJ-45) (2nd GLAN is optional⁴)

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)

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.

⁴ Included starting from v9.1.5

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

- 24 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

Directory Service & Address Book

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

Multipoint Control Unit¹

- H.323 and SIP mixed mode
- 4 HD continuous presence participants
- Desktop and Mobile Client support¹
- Dial-in / Dial-out capabilities
- Encryption³
- Automatic continuous presence layouts
- Dual-video from any site
- Lecturer mode on system hosting the conference
- XT MCU cascading

Security Features

- Embedded encryption³
- 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) support²

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, 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)



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.

XT4300 Options

- 4 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
- 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

