

Executive Summary Avaya XT5000 720



HD Camera



CODEC Front view



CODEC Rear view



Remote Control



Desk Microphone

Manufacturer: Avaya

Model: XT5000 720

Software Version: 8.3

Optional Features and Modifications: USB recording

Date of Test: 17-21 March 2014

The Avaya XT5000 720 high definition conferencing system is designed to be installed either permanently in a small to medium sized conference room or as part of a Roll-about unit.

The XT5000 720 system supports two HD channels at 720p however it may be fully upgraded at any time to support 1080p and with additional options match the specification of the XT5000 system. This provides the user with flexibility to cost effectively select a suite of options while retaining the ability to upgrade at a later date via additional license keys. A high definition (HD) camera, a table microphone pod, an infra-red remote control and PC connectivity completes the package. Several options are available including:

1. 1080p/60 Support
2. A four or nine site on-board Multipoint Conference Unit (MCU)
3. Advanced Camera 20x Optical Zoom
4. 4 HD Port Camera/Source Switch
5. USB Recording
6. 12 Mbit/s Extended IP Bit Rate
7. Additional Digital Microphone Array Pod
8. Advanced Audio CODEC pack (G.728 and G.729A)
9. Scopia Control (iPad)
10. Support for Scopia desktop and mobile

The maximum point to point connection speed is 6 Mbit/s; the 12 Mbit/s Extended IP Bit Rate

option increases the point to point connection speed to 8 Mbit/s in H.323 and 10 Mbit/s in SIP calls. In addition the total MCU call bandwidth is 12 Mbit/s but individual connections are restricted to 6 Mbit/s.

Compatibility with other H.323 CODECS is achieved across a range of resolutions from SIF (352x240) to 1280x720 pixels. The quality of the conference is dependent upon the capability of the remote CODEC and the connection speed.

Pros:

- Flexible, feature-rich option set
- Compact and easy to install
- Up to 720p @ 50/60fps on the main video and 720p@60fps on the H.239 presentation channels, upgradable to 1080p

Cons:

- Image issues on fine detail with the Presentation Channel
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Feature Summary

Video standards	H.263, H.263+, H.263++, H.264, H.264 High Profile, H.264 SVC
Supported video resolutions	<div>352 x 240 @25, 30 fps (SIF)</div> <div>352 x 288 @25, 30 fps (CIF)</div> <div>400 x 244 @25, 30 fps (SIF)</div> <div>512 x 288 @25, 30 fps (wCIF)</div> <div>576 x 336 @25, 30 fps (SIF)</div> <div>704 x 480 @25, 30 fps (4SIF)</div> <div>704 x 576 @25, 30 fps (4CIF)</div> <div>768 x 448 @25, 30 fps (w448p)</div> <div>1024 x 576 @25, 30 fps (w576p)</div> <div>1280 x 720 @25, 30, 50, 60 fps (HD720p)</div> <div>1920 x 1080 @25, 30, 50, 60 fps (HD1080p)</div>

Communications	H.323 and SIP 128 Kbit/s ~ 6 Mbit/s 12 Mbit/s (Option) provides 8 Mbit/s H.323 and 10 Mbit/s SIP point to point connections
Audio standards	G.711, G.722, G.722.1, MPEG4 AAC-LD, G.719 Optional G.728 and G.729A
Camera	10x optical zoom camera, PTZ function, 1080 native resolution. 70° Horizontal field of view.
Video inputs	One HDMI and one DVI-I (Analogue and Digital)
Video outputs	Two HDMI
Audio inputs	2 daisy chain desk microphones, 3.5mm mini-jack connection for PC/DVD audio, Optical audio input
Audio outputs	HDMI, 3.5mm mini-jack, Optical audio output
Auxiliary features	H.239 second video channel up to 1080p resolution @60fps option in point to point calls. Far-end camera control. Four/nine site optional H.323 MCU
Encryption	AES Encryption

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