

Executive summary for Cisco SX20 Quick Set CODEC

Manufacturer: Cisco

Model: SX20 Quick Set

Software Version: 5.1.4

Optional Features and Modifications:

12x Camera, 4x Camera, Natural Presenter Package, Dual Monitor, Premium Multisite

Date of Test: 15th – 19th October 2012

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The Cisco SX20 Quick Set CODEC is a high definition conferencing system, designed to be installed either in a small to medium sized conference room or as part of a Roll-about unit.

The basic system supports a resolution of 1280 x 720 pixels @ 30fps and includes a high definition (HD) camera, a table microphone, an infra-red remote control and PC connectivity in the package. Several options are available:

1. A four site on-board Multipoint Conference Unit (MCU)
2. The choice of an HD camera with either a 12x or a 4x zoom range
3. Premium Resolution with a maximum resolution of 1920x1080 at 60 fps.
4. Natural Presenter provides dual video channel H.239
5. Dual monitor output

Compatibility with other H.323 CODECS is achieved across a range of resolutions from SIF

(352x240) to 1920x1080 pixels. The quality of the conference is dependent upon the capability of the remote CODEC and the connection speed.

Pros:

- Feature rich, compact and easy to install
- Up to 1080p @ 60fps main video
- Overall video and audio performance

Cons:

- 12x camera focus performance and PTZ mechanical noise
- Vari-speed cooling fan noise
- Maximum Presentation signal frame rate restricted to 15fps at 1080p resolution

Feature Summary:

Video standards	H.263, H.263+, and H.264
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Supported video resolutions	176 x 144 @30, 60 fps (QCIF) (Decode only) 352 x 288 @30, 60 fps (CIF) 512 x 288 @30, 60 fps (w288p) 576 x 448 @30, 60 fps (448p) 768 x 448 @30, 60 fps (w448p) 704 x 576 @30, 60 fps (4CIF) 1024 x 576 @30, 60 fps (w576p) 640 x 480 @30, 60 fps (VGA) 800 x 600 @30, 60 fps (SVGA) 1024 x 768 @30, 60 fps (XGA) 1280 x 768 @30, 60 fps (WXGA) 1280 x 720 @30, 60 fps (HD720p) 1920 x 1080 @30, 60 fps (HD1080p)
Communications	H.323 128Kbps ~ 6Mbps
Audio standards	G.711, G.722, G.722.1, 64 kbps and 128 kbps MPEG4 AAC-LD
Optional cameras	4x optical zoom camera, PTZ function, 1080 native resolution. 70° horizontal field of view. 12x optical zoom camera, PTZ function, 1080 native resolution. 72° horizontal field of view.
Video inputs	One HDMI and one DVI-I (Analogue and Digital)
Video outputs	Two HDMI
Audio inputs	2 x desk microphones, microphone audio from camera over HDMI, 3.5mm mini-jack connection for laptop/DVD audio

Audio outputs	HDMI, 3.5mm mini-jack
Auxiliary features	<p>H.239 second video channel up to 1080p resolution @15fps in point to point and Multisite calls.</p> <p>Far-end camera control.</p> <p>Four site internal H.323 MCU supporting Continuous Presence only.</p>
Encryption	AES Encryption

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