

## Executive Summary Radvision XT5000

Evaluation carried out December 2012



CODEC Rear view



Remote Control



Desk Microphone

### EXECUTIVE SUMMARY

The Radvision XT5000 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 basic system supports two HD channels: The main channel at 1920 x 1080 pixels /50fps (default for UK users) and the presentation channel at 1920 x 1080 /60fps. The main channel frame rate may be increased to 60fps via the configuration menu. A high definition (HD) camera, a table microphone pod, an infra-red remote control and PC connectivity completes the package. Several options are also available:

1. A four or nine site on-board Multipoint Conference Unit (MCU)
2. 12 Mbit/s Extended IP Bit Rate
3. Additional Digital Microphone Array Pod
4. Advanced Audio CODEC pack (G.728 and G.729A)

## 5. 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 extends the total MCU call bandwidth to 12 Mbit/s but individual connections are still restricted to 6 Mbit/s.

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 on the main video channel and 1920 x 1080 pixels @ 60fps on the H.239 presentation channel.
- 12 Mbit/s overall MCU bandwidth.

### Cons:

- Camera Performance.
- Only two images from: Near, Far and Presentation available in single monitor mode
- Limited web video monitoring facilities.

### Summary of features

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 128Kbps ~ 6Mbps ~12Mbps (Option)
Audio standards	G.711, G.722, G.722.1, MPEG4 AAC-LD, G.719 Optional G.728, 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 laptop/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 in point to point calls.  Far-end camera control.  Four/nine site internal H.323 MCU supporting Continuous Presence only.
Encryption	AES Encryption

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