

Executive Summary Polycom Realpresence Group 300

Manufacturer: Polycom

Model: RealPresence Group 300

Software Version: 4.1.1

Optional Features and Modifications: Advanced Video 1080

Date of Test: 9th – 13th September 2013



HD Camera



CODEC Front view



CODEC Rear view



Remote Control



Desk Microphone

The Polycom RealPresence Group 300 high definition conferencing system is a cost-effective entry level system designed to be installed either in small meeting rooms or offices, or as part of a roll-about unit.

The system supports a maximum image resolution of 1920x1080 pixels @50fps on the main video channel with the Polycom EagleEye III Pan and Tilt Camera and 1920x1080 pixels @25fps with the Polycom EagleEye Acoustic Camera. Presentation content may be transmitted up to 1280x720 pixels @30fps and received up to 1920x1080 pixels @60fps. The basic system includes a high definition (HD) Polycom EagleEye Acoustic Camera with auto focus lens system, two integral microphones for stereo audio pickup, an IR detector, and a status LED, an infra-red remote control and external power supply complete the package.

A number of options are available including:

- Advanced Video 1080p
- Dual Display
- Polycom EagleEye III Pan and Tilt Camera
- RealPresence Group Microphone Array

The maximum point to point connection speed is 3 Mbit/s, compatibility with other H.323 CODECS is achieved across a range of resolutions from SIF (352x240) to 1080p (1920x1080) pixels. The quality of the conference is dependent upon the capability of the remote CODEC and the connection speed.

Pros:

- Compact Design and Simple Setup
- Simple remote control with graphic interface

- Good interoperability with other CODECS

Cons:

- Interoperability issue with JVCS MCU
- Restricted presentation image frame rate
- No Presentation audio input

Feature Summary:

Video standards	H.261, H.263, H.264 AVC, H.264 High Profile, H.264 SVC
Supported video resolutions	<p>352 x 240 @ 25 fps (SIF)</p> <p>352 x 288 @ 25 fps (CIF)</p> <p>512 x 288 @ 25 fps (wCIF)</p> <p>704 x 480 @ 25, 50 fps (4SIF)</p> <p>704 x 576 @ 25, 50 fps (4CIF)</p> <p>1280 x 720 @ 25, 50 fps (HD720p)</p> <p>1920x1080 @ 25, 50 fps (HD1080p)</p> <p>1080p requires optional Advanced Video 1080p</p> <p>50fps requires optional EagleEye III Camera</p>
Communications	H.323 and SIP, 128Kbps ~ 3Mbps
Audio standards	G.711, G.722, G.722.1, G.722.1c, G.728, G729A, Siren 22, AACLD
Camera	<p>EagleEye Acoustic Camera, fixed focus, 2x digital zoom camera, 67° Horizontal field of view. Integral stereo microphone.</p> <p>Eagle Eye III Camera, pan and tile, 12x optical zoom, 72° Horizontal field of view.</p>
Video inputs	One Camera Input

Video outputs	Two HDMI (Dual Display Optional)
Audio inputs	Optional desk microphone pod
Audio outputs	HDMI, 3.5mm mini-jack
Auxiliary features	<p>H.239 second video channel up to 720p resolution @30fps in transmit via People and Content IP network connection and 1080p @60fps receive.</p> <p>Far-end camera control.</p> <p>RS232 Control Connection</p>
Encryption	AES Encryption

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