

Executive Summary Lifesize Room 220/220i



220 CODEC Front view



220 CODEC Rear view



220i CODEC Front view



220i CODEC Rear view



220 CODEC with Vertical Stand



Room 220™ 10x HD Camera

Manufacturer: LifeSize
Model: Team 220/220i
Software Version: 4.12.0
Optional Features and Modifications: None
Date of Test: 16-20 October 2013

The high definition Lifesize Room 220 conferencing system is designed to be installed either in a medium to large conference room or as part of a teaching space installation. It is available in two hardware configurations: the standard room 220 or with a rack mount version, the 220i, to facilitate integration into larger installations.

The system includes a high definition (HD) Camera, microphone/s and infrared remote control. An eight site on-board Multipoint Conference Unit (MCU) is included as standard.

The system is available with 2 microphone options:

- CODEC, Dual MicPods
- CODEC, LifeSize Phone™

The systems supplied for evaluation included the LifeSize Phone™ desk microphone/conference phone.

The system is capable of conferencing up to a maximum picture resolution of 1920x1080 pixels (1080p) at 30fps or 1280x720 pixels (720p) at 60fps with a maximum connection speed of 8 Mbit/s. Compatibility with other H.323 CODECS is achieved across a range of resolutions from CIF (352x288) to 1920x1080 pixels, the quality of the conference being dependent upon the capability of the remote CODEC and the connection speed.

The default setting of 720p @ 60 frames per second was used for the majority of the evaluation.

Pros:

- Dual monitor as standard
- On-board 8 site MCU as standard
- Camera 10x sensitivity improved over earlier LifeSize models
- Good compatibility with other CODECS
- Room 220i Rackmount Option

Cons:

- Slight cooling fan noise
- Restricted frame rate on DVI-I Presentation input

Feature Summary:

Video standards	H.261, H.263, H.263+ and H.264
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Supported video resolutions	<p> QSIF (176x120) QCIF (176x144) SIF (352x240) CIF (352x288) 4SIF (704x480) 4CIF (704x576) 720p (1280x720) at 60 fps 1080p (1920x1080) at 30fps </p>
Communications	<p> H.323 128Kbps - 8Mbps H.320 via optional LifeSize Networker </p>
Audio standards	G.711, G.722, G.722.1, G.728, G.729, Siren 14 and MPEG4 AAC-LC 16KHz audio coding
Camera	4x or 10x Optical zoom camera, PTZ function, 1080p native resolution, 10 camera presents, far end camera control.
Video inputs Room 220	Two HDMI Cameras (1080p30,720p60), one camera (720p30), one DVI-I (HDMI/VGA), one Component/Composite, one S-Video
Video outputs Room 220	One HDMI, one DVI-I
Audio inputs Room 220	Lifesize Phone™, MicPod microphone, 2 x stereo 3.5mm Jack, 2 x HDMI, 1 x DVI-I , 1 x HD Focus Camera
Audio outputs Room 220	Lifesize Phone™, HDMI, DVI-I, 3.5mm mini jack
Video inputs Room 220i	Two DVI-D Cameras (1080p30,720p60), one camera (720p30), one DVI-I (HDMI/VGA), one Component/Composite
Video outputs Room 220i	One DVI-D, one DVI-I

Audio inputs Room 220	Lifesize Phone™, MicPod microphone, 2 x stereo 3.5mm Jack, 2 x HDMI, 1 x DVI-I , 1 x HD Focus Camera
Audio inputs Room 220i	Lifesize Phone™, MicPod microphone, 2 x stereo Pheonix balanced, 2 x DVI-D, 1 x DVI-I, 1 x HD Focus Camera
Audio outputs Room 220i	Lifesize Phone™, DVI-D, DVI-I, 1 x stereo Pheonix balanced,
VC Auxiliary features	H.239 second video channel up to 720p resolution in point to point and Multisite calls. RS232 Control Eight site internal H.323 MCU Lifesize Phone™ desk microphone/speakerphone
Encryption	AES Encryption

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