

Rack-mounted video collaboration system

Lifesize® Room 220i™



Experience Exceptional Communication

System integrators seeking an HD video collaboration solution in a rack-mounted design need look no further than the Lifesize Room 220i. It meets the rigorous requirements for enclosed spaces in a simple-to-install form factor and delivers an unparalleled video conferencing experience. Lifesize Room 220i is interoperable with [Lifesize Cloud](#), giving customers many powerful capabilities, including seamless call escalation, secure firewall/NAT traversal and automatic software updates.

Rack-Mounted for Secure, Simple Setup by System Integrators

Lifesize Room 220i was designed to securely fit industry-standard server racks, credenza racks or podiums, enabling fast, simple setup by system integrators. A premium cooling system regulates the temperature for optimum performance, while locking rear input and output connectors ensure secure and reliable installation—so you never have to worry about cables coming unplugged. The power supply is conveniently located inside, providing quick and easy access for installation. What sets Lifesize Room 220i apart from the rest is that it can easily integrate with custom third-party solutions, including AV equipment, thereby maximizing your organization's existing investment in video conferencing solutions.

HD Quality for a Superior Video Conferencing Experience

The Lifesize Room 220i delivers the same rich video conferencing experience that you've come to know and expect from Lifesize Room 220. It offers HD 1080p30/720p60 video for natural, face-to-face interactions and HD 720p60 video for the best motion handling with lower latency. The 8-way continuous presence 1080p30 multipoint bridge has voice-activated switching and enables users to see four visible sites at one time.

Intuitive, Easy-to-Use Design Speeds Management for IT Staff

Managing and maintaining your HD video conferencing equipment should be quick and easy. With Lifesize Room 220i, you're able to simply reset the system and quickly view the system status. Use the remote control and front IR display to swiftly manage the system—no more searching and seeking for the controls because they're all conveniently located on the front of the system.

A Total Conference Room Solution

The Lifesize Room 220i includes the rack-mounted video system, a remote control, Lifesize Camera 10x and Lifesize Phone—delivering a rich conference room experience. Rack-mounted. Intuitive design. Lifesize Room 220i will enrich your conference room experience and ease deployment and support for your IT team.

AT-A-GLANCE

Lifesize Cloud	Seamless call escalation, corporate and meetings directories, secure firewall/NAT traversal, automatic software updates
Rack-Mounted	Securely fits server racks, credenza racks or podiums
Video Quality	Full HD 1920x1080—30 fps; 1280x720—60 fps
HD Monitors	Connect up to two displays
HD Camera	1080p30 HD and 10x zoom capability
Phone	Touchscreen controls both HD video and audio
External Audio, Video & Data Input/Output	Audio: 8 in, 4 out Video: 5 in, 2 out Data: 2 in, 2 out
8-Way Multipoint Bridge	4-way continuous presence with voice-activated switching
Secure Installation	Locking rear input/output connectors and internal power supply
Performance	Cooling system regulates temperature
System Status	Front reset button, LED display and IR

Free video-based training
www.lifesize.com/training

Lifesize® Room 220i™

SYSTEM COMPONENTS

Lifesize codec with rack-mount bracket
Lifesize Camera 10x
Lifesize Phone
Wireless remote control
Cables

COMMUNICATIONS

H.323, SIP, 128 Kbps–8.0 Mbps (point-point) or 128 Kbps - 2.0 Mbps (multipoint, per call) 1xRJ-45 Network LAN (10/100 Mbps)
1 x RJ-45 for Lifesize Phone (PoE supported)
1 x RJ-45 for Lifesize Networker (PoE supported)
1 x RJ-11 for analog telephone line
1 x 3.5 mm Mic In for Lifesize MicPod

SUPPORT FOR MULTIPLE HD DISPLAYS

Any HD display supporting HDMI or DVI-I input
For additional information on displays, visit:
www.lifesize.com/support

HD 1080P30/720P60 CAMERA

Wide-angle zoom lens with 70-degree field of view
Up to 10x optical zoom
Auto focus/automatic gain control
10 camera presets (near and far end)
Standard 3.0 M DVI to HDMI cable

VIDEO SPECIFICATIONS/VIDEO RESOLUTIONS

Maximum resolutions widescreen 16:9 aspect ratio
All resolutions progressive scanning
All resolutions at 30 frames per second except 60 frames per second where noted
384 Kbps (912x512 pixels) DVD resolution
512 Kbps (1024x576 pixels)
768 Kbps (1280x720 pixels) high definition
1.1 Mbps (1280x720 pixels @ p60) high definition
1.7 Mbps or higher (1920x1080 pixels) high definition

VIDEO STANDARDS

H.261, H.263, H.263+, H.264 and H.239 and BFCP compliant with Polycom

Support for multiple dual live streaming modes:

- 1080p30 and 720p5
- 720p60 and 720p5
- 720p30 and 720p30

VIDEO INPUTS (5 INPUTS)

1 x High definition camera (720p30)
2 x DVI-D HD Video In (1080p30/720p60)
1 x DVI-I In (HDMI/VGA enabled)
1 x BNC Component In or 1 x Composite In

VIDEO OUTPUTS (2 OUTPUTS)

1 x DVI-D HD Video Out (1080p30/720p60)
1 x DVI-I Out (1080p30/720p60)

USER INTERFACE & FEATURES

Context-sensitive user interface
Graphical user interface call manager
Multiple languages supported
Do Not Disturb mode
RS-232 serial pass-through support

FULLY INTEGRATED, HD AUDIO CONFERENCE PHONE

100 Hz up to 16 kHz
Powered by codec directly through cable
Touchscreen user interface
Manage both HD video and audio

AUDIO FEATURES

HD audio
GIPS NetEQ packet loss concealment
Full duplex for natural conversations
Echo cancellation for echo-free calls
Automatic gain control
Automatic noise reduction
MicPod or Dual MicPod support (optional)

AUDIO STANDARDS

G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, G.728, G.729, MPEG-4-AAC-LC

AUDIO INPUTS (8 INPUTS)

1 x RJ-45 (Lifesize Phone)
2 x Stereo Line In balanced (Phoenix)
1 x Mic In
2 x HD Video In
1 x DVI-I In
1 x HD Camera In

AUDIO OUTPUTS (4 OUTPUTS)

1 x RJ-45 (Lifesize Phone)
1 x Stereo Line Output balanced (Phoenix)
1 x HD Video Out
1 x DVI-I Out

OTHER SUPPORTED STANDARDS

H.221, H.224, H.225, H.231, H.241, H.242, H.245, H.281, BONDING (ISO13871) via Lifesize Networker, RFC 3261, RFC 3264, RFC 2190, RFC 3407, RFC 2833

STREAM/RECORD WITH LIFESIZE® UVC VIDEO CENTER™

Record/stream outside of a call
Record/stream point-to-point or multipoint calls
Capture all near or far call participants
Auto-record all calls
Single button, ad-hoc recording
Recording indicator

UVC CORE APPLICATIONS*

Seamless call escalation for video and voice participants
Mobile calling
Video network management
Secure firewall traversal, plus NAT

SECURITY

Admin and user level password
SNMP security alerts
Ability to disable HTTP, SSH and Telnet services
H.235 (AES) encryption support including strict compliance
TLS/SRTP support
IEEE 802.1x support
Kensington Security Slot

Product Specifications



INTELLIGENT NETWORK FEATURES

Adaptive Motion Control (AMC) including Forward Error Correction (FEC)
NAT/firewall traversal (H.460/SIP)
IPv4 and IPv6 support
Auto bandwidth detection
ISDN support via Lifesize Networker

DIRECTORY & ADDRESS BOOK

Up to 1,000 local directory entries
Save, lock, remove redial list features
Missed call notification
Auto-discovery directory lookup (patent pending)
LDAP support/H.350 compliant
Meetings directory support
H.323 URI dialing support (AnnexO)

EMBEDDED HD MULTIPPOINT CONTROL UNIT

Full HD CP MCU with up to 4 visible participants
Up to 8-way 720p60/720p30/6-way 1080p30 CP or VAS mode
Transcoding support
Virtual Multiway allows participant viewing control (patent pending)
H.239 multipoint support shared from any participant
Disable multipoint option

SYSTEM MANAGEMENT

Out-of-box setup via web interface and management tool
SNMP
1 x DB-9 RS-232 port configurable as control
Backup and restore capability
JPEG snapshots through web interface

POWER

AC voltage 100–240V, 50–60 Hz, 2.5A via external power supply
Power on/off switch

ENVIRONMENTAL DATA

Operating temperature: 0° C (32° F) to 40° C (104° F)
Operating humidity: 15% to 85%, noncondensing
Storage temperature: –20° C (–4° F) to 60° C (140° F)
Storage humidity: 10% to 90%, noncondensing

CODEC DIMENSIONS

Width: 440 mm (17.32")
Depth: 310 mm (12.2")
Height: 85 mm (3.35")
Weight: 6.99 Kg (15.42 lbs)

Regulatory Model Number: LFZ-024

*Requires Lifesize UVC Platform

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