

High-quality  
video collaboration system  
**Lifesize® Room 220™**



## Experience Exceptional Communication

Lifesize Room 220 gives you the highest level of quality available today—Full HD, standards-based 1080p30 for the highest resolution on the market and 720p60 for the best motion handling with lower latency.

Ideal for large meetings and conference rooms, Lifesize Room 220 comes standard with an embedded eight-way continuous-presence multipoint bridge showing four visible sites, complete with transcoding and all-digital I/O. Plus, Lifesize Room 220 has a point-to-point throughput of 8 Mbps. And the compact, sleek unit is less than half the size of comparable solutions.

When paired with Lifesize Cloud and combined with LifeSize® Phone™, Lifesize® Camera 10x™, and Lifesize® MicPod™, you have the most full-featured video conferencing solution available today. The Lifesize Phone brings touchscreen simplicity to the conference room and eliminates the need for a separate remote control. Users can share content, control cameras, change layouts, add callers and do so much more with ease.

One look and you can see for yourself that the Lifesize difference is the Lifesize experience—superior video communications across cities, countries and continents.

Flexibility is enhanced since our exemplary attention to the human interface ensures that the Lifesize Room 220 system is simple and easy to use. And because we're committed to open architecture, proven Lifesize interoperability provides full integration into your existing standards-based communications infrastructure.

### Lifesize Room 220 features:

- Unprecedented bandwidth/performance
- Adaptive motion control with forward error correction
- Streaming and recording of point-to-point and multipoint calls\*\*\*

### In Today's World, Better Than Being There

In addition to technology, service and support, Lifesize offers the most exceptional quality and user simplicity, making remote communications a more productive, true-to-life experience. And like all Lifesize products, Lifesize Room 220 delivers superior quality of experience, unique flexibility and unmatched price/performance.



#### AT-A-GLANCE

|   |   |
|---|---|
| <b>Lifesize Cloud*</b>                                      | Seamless call escalation, corporate and meetings directories, secure firewall/NAT traversal, automatic software updates |
| <b>Record and Share Calls with Lifesize Cloud Amplify**</b> | Easily record a video call or meeting from any device and automatically publish videos into your own video library      |
| <b>Video Quality</b>  | Full HD<br>Standards-based<br>1920x1080-30fps<br>1280x720-60fps   |
| <b>HD Monitors</b>  | Supports up to two HD monitors  |
| <b>HD Cameras</b>   | Supports multiple HD pan-tilt-zoom cameras  |
| <b>Manage HD Video &amp; Audio</b>                          | Control multiparty calls and data sharing with the touchscreen interface of Lifesize Phone                              |
| <b>Embedded Continuous-Presence (CP) HD Multipoint</b>      | Host a multipoint call with the embedded 6-way or 8-way bridge  |

\*Lifesize Cloud is available as a separate subscription

\*\*Requires Lifesize Cloud and Lifesize Cloud Amplify subscriptions

\*\*\* Requires Lifesize UVC Video Center

# Lifesize® Room 220™

## SYSTEM COMPONENTS

Lifesize codec with stand  
Lifesize Camera 10x  
Lifesize Phone  
Wireless remote control  
Power supply/cables

## COMMUNICATIONS

H.323, SIP, 128 Kbps–8.0 Mbps (point-point)  
128 Kbps–2.0 Mbps (multipoint, per call)  
1 x RJ-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](http://www.lifesize.com/support)

## HD 1080P30/720P60 PTZ CAMERA

Support for two active camera sources at 720p30  
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 HDMI cable  
Support for Sony EVI-HD1 camera (optional)

## 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 (6 INPUTS)

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

## VIDEO OUTPUTS (2 OUTPUTS)

1 x 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

90 Hz up to 16 kHz  
Powered by codec directly through cable  
Touchscreen user interface  
Manage both HD video and audio  
Support for up to two Lifesize MicPods (additional purchase)

## 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  
Single or dual Lifesize 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 (3.5mm)  
1 x Mic In—two channel (3.5mm)  
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 (3.5mm)  
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

## LIFESIZE CLOUD\*

Shared directory  
Name-based dialing  
Virtual meeting rooms  
Seamless call escalation  
Recording and sharing\*\*  
Automatic software updates

## 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 MULTIPOINT CONTROL UNIT

Full HD CP MCU with up to four 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

## 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: 373.9 mm (14.72")  
Depth: 225 mm (8.86")  
Height: 48.3 mm (1.9")  
Weight: 2.24 Kg (4.94 lbs)

## REGULATORY MODEL NUMBER

LFZ-015

\*Lifesize Cloud is available as a separate subscription  
\*\*Requires Lifesize Cloud and Lifesize Cloud Amplify subscriptions

[Free video-based training  
www.lifesize.com/training](http://www.lifesize.com/training)

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