

LifeSize® Room™ delivers high definition video communication and rich features in an affordable, easy-to-use system.



## Feature Rich High Definition Video

LifeSize® Room™ combines an immersive, high definition video experience with a rich set of features to deliver a powerful, flexible and easy-to-use video communication solution.

Like all LifeSize products, LifeSize Room delivers telepresence quality, high definition video and audio for a realistic, authentic experience. It makes you feel like you are there, allowing you to do more yet travel less.

**( Do more. Travel less. Be present. )**

An ideal fit for large conference rooms, LifeSize Room allows you to establish video calls with multiple participants through the embedded high definition multipoint bridge. Display multiple participants simultaneously with 4-way continuous presence or watch the view change automatically among callers with 6-way voice-activated switching. All without external equipment, advanced scheduling, or a technician.

With the ability to supporting two monitors and two cameras, LifeSize Room delivers the ultimate in flexibility. Presentations, documents and multimedia can be shared with all participants, enabling anyone with dispersed colleagues to collaborate more effectively.

LifeSize designed video communications with absolute user simplicity in mind. Rely on video communications for face-to-face meetings when email and the phone are simply not enough.

### LifeSize Room Key Features

Video Quality

High Definition Telepresence Quality  
1280x720 - 30 fps  
16x9 format

HD Monitors



HD Cameras Pan-Tilt-Zoom (PTZ)



High Definition Audio



External Audio, Video & Data Input/Output

Audio: 3 in, 2 out  
Video: 5 in, 4 out  
Data: 2 in, 2 out

Point-to-Point High Definition Videoconferencing



Embedded Continuous Presence (CP) HD Multipoint



Embedded Voice Activated Switching (VAS) HD Multipoint



# Product Specifications - LifeSize® Room™

## System Components

LifeSize codec with stand  
High Definition PTZ camera  
LifeSize Phone – fully integrated speakerphone  
Wireless IR remote control  
Power supply  
Cables

## Communications

128Kbps – 6.0Mbps (point-point)  
128Kbps – 2Mbps (multipoint, per call)  
H.323, SIP  
1 x RJ-45 Network LAN (10/100 Mbps)  
1 x RJ-45 for LifeSize Networker (PoE Support)  
1 x RJ-45 for LifeSize Phone  
1 x RJ-11 for analog telephone line

## Support for Multiple Displays

Support for Single or Dual Monitor displays  
Any high definition 720p component video VGA monitor (1280x768)  
For additional information on displays, visit:  
[www.lifesize.com/support](http://www.lifesize.com/support)

## High Definition Camera

Support for Single or Dual cameras  
LifeSize-designed High Definition pan/tilt/zoom camera (patent pending)  
Resolution: 1280 x 720, 30fps  
Wide-angle lens, 4x optical zoom, 70 degree field of view  
Auto focus  
Automatic gain control  
10 camera presets  
7.5 M / 25 ft. cable, Optional 15M / 50 ft. cable  
Support for Sony EVI-HD1 HD Camera (optional)

## Video Specifications / Video Resolution

Maximum Resolutions Widescreen 16:9 Modes  
128 Kbps (400 x 244 pixels) Widescreen FCIF  
384 Kbps (768 x 432 pixels) Cable TV  
512Kbps (848 x 480 pixels) DVD Resolution  
768 Kbps (1088 x 608 pixels) 2x DVD Resolution  
1 Mbps or higher (1280 x 720pixels) High Definition  
Actual resolution depends upon capability of remote end and is impacted by the quality of the communications channel

## Video Standards

H.263, H.263+, H.264 and H.239  
Supports Dual Streaming with Video Bandwidth Balance

## Video Formats

High Definition, 16x9 aspect ratio

## Video Inputs (7 Inputs)

2 x High Definition PTZ Cameras  
2 x S-Video  
2 x Composite/RCA in  
1 x VGA In (supports up to 1280x1024)

## Video Outputs (4 Outputs)

1 x S-Video  
2 x Component/VGA  
1 x Composite/RCA Out

## Fully Integrated, High Definition Audio Conference Phone

LifeSize-designed full featured conference phone doubles as the microphone for video system  
16 microphones in a patent-pending Circular Microphone Array with beam forming for high directivity  
100 Hz up to 16 kHz

H.323, SIP support  
Stand alone phone option using VoIP  
No subwoofer required, no additional microphone pods required  
Powered by codec directly through cable

## Audio Features

High Definition Audio  
GIPS NetEQ packet loss concealment  
Full duplex for natural conversations  
Echo cancellation for echo-free calls  
Automatic gain control  
Automatic noise reduction  
Audio over analog telephone line

## Audio Standards

G.711, G.722, G.722.1C (Polycom® Siren14™), G.728, G.729  
MPEG-4 AAC-LC

## Audio Inputs (3 Inputs)

1 x RJ-45 for LifeSize Phone  
1 x RCA line level in  
1 x RCA line level input (L+R)  
1 x 3.5 mm Mic In

## Audio Outputs (3 Outputs)

1 x RJ-45 for LifeSize Phone  
1 x Main audio output (L+C+R)  
1 x RCA line level output

## User Interface & Features

Context sensitive user interface  
Wireless IR remote  
Connect participants from integrated speakerphone  
Graphical User Interface Call Manager  
Virtual Multiway support  
13 localized languages supported  
Customizable background screen  
Selectable camera icons & live preview

## Security

Flash-based Web management tool  
Administrator and User-level passwords  
SNMP security alerts  
Ability to disable HTTP, SSH and Telnet services  
H.235 encryption support including strict compliance  
Kensington Lock™ feature

## Intelligent Networking Features

IPv4 and IPv6 support  
Auto H.323 dialing  
When used with LifeSize Networker:  
H.320 dialing  
Auto SPID detect  
Downspeeding

## Directory and Address Book

Up to 1000 local directory entries  
Save, Lock, Remove Redial List features  
Missed call notification  
Auto-Discovery directory lookup (patent pending)  
LDAP (H.350) support  
Meetings Directory support  
Hierarchical address book

## Embedded HD Multipoint Control Unit

4-way HD CP multipoint conferencing for video/audio  
6-way HD VAS multipoint conference for video/audio  
Virtual Multiway allows participant viewing control (patent pending)  
H.239 multipoint support  
Seamlessly add/drop participants  
Integrated management with LifeSize Control management software

## System Management

Out of box setup via web interface and web management tool  
SNMP  
2x DB-9 RS-232 ports configurable as control  
Backup and Restore capability  
JPEG Snapshots through web interface

## Power

AC Voltage 100-240V, 50-60 Hz, 2.5A

## Environmental Data

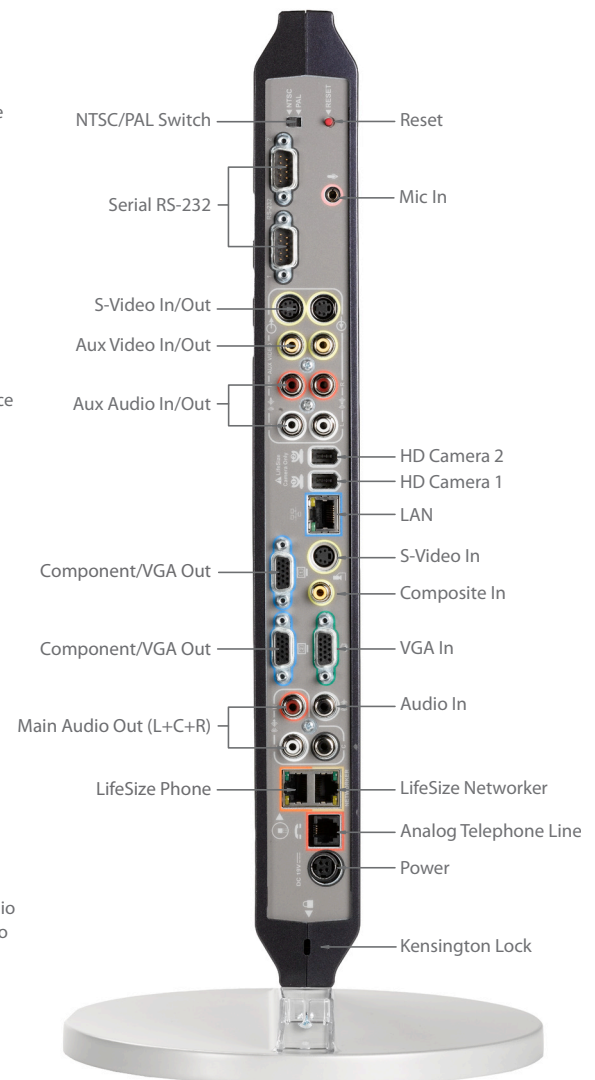
Operating temperature:  
0°C (32°F) to 35°C (95°F)  
Operating humidity:  
15% to 85%, non-condensing  
Storage temperature:  
-20°C (-4°F) to 60°C (140°F)  
Storage humidity: 10% to 90%, non-condensing

Regulatory Model Number

Model: LFZ-001

For additional information: [www.lifesize.com/support](http://www.lifesize.com/support)

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