

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 an embedded high definition multipoint control unit (MCU). 6-way Continuous Presence (with 4 visible participants), complete with transcoding is now possible in a compact, sleek unit that's less than half the size of comparable solutions.

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)



HD Audio



External Audio, Video & Data Input/Output

Audio: 4 in, 3 out  
Video: 7 in, 4 out  
Data: 2 in, 2 out

Point-to-Point HD Video Communications



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 LifeSize Camera  
LifeSize Phone  
Wireless remote control  
Power Supply  
Cables

## Communications

H.323, SIP  
128Kbps - 6.0Mbps (point-point)  
128Kbps - 2.0Mbps (multipoint, per call)  
1xRJ-45 Network LAN (10/100 Mbps)  
1xRJ-45 for LifeSize Phone (PoE supported)  
1xRJ-45 for LifeSize Networker (PoE supported)  
1xRJ-11 for analog telephone line  
1x3.5mm Mic In for LifeSize MicPod

## Support Multiple HD Displays

Any high definition display supporting component/VGA  
For additional information on displays, visit:  
[www.lifesize.com/support](http://www.lifesize.com/support)

## High Definition 720p PTZ Camera

Support for single or dual cameras  
Wide-angle zoom lens with 70 degree field of view  
4x Optical zoom  
Auto focus / Automatic gain control  
10 camera presets (near or far end)  
7.5M / 25ft. cable, Optional 15M / 50 ft. cable  
Support for Sony EVI-HD1 HD Camera (optional)

## Video Specifications/Video Resolutions

Maximum resolutions widescreen 16:9 aspect ratio  
All resolutions progressive scanning  
All resolutions at 30 frames per second  
128Kbps (400x244pixels) Widescreen FCIF  
384Kbps (768x432pixels) Cable TV  
512Kbps (848x480pixels) DVD Resolution  
768Kbps (1088x608pixels) 2xDVD Resolution  
1Mbps or higher (1280x720pixels) High Definition  
Actual resolution depends on capability of remote end  
and is impacted by the quality of the communication  
channel

## Video Standards

H.261, H.263, H.263+, H.264 and H.239 compliant  
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/VGA  
1 x VGA In

## Video Outputs (4 Outputs)

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

## Fully Integrated, HD Audio Conference Phone

100Hz up to 16kHz  
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  
MicPod or Dual MicPod support (optional)

## Audio Standards

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

## Audio Inputs (4 Inputs)

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

## Audio Outputs (3 Outputs)

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

## Other Supported Standards

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

## User Interface & Features

Context sensitive user interface  
Graphical User Interface Call Manager  
14 localized languages supported  
Do Not Disturb mode

## Security

Admin and User-level password  
SNMP security alerts  
Ability to disable HTTP, SSH and Telnet services  
H.235 encryption support including strict compliance  
IEEE 802.1x support  
Kensington Lock™

## Intelligent Networking Features

NAT/Firewall Traversal (H.460/SIP)  
IPv4 and IPv6 support  
Auto H.323 dialing  
ISDN support via LifeSize Networker

## 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 support / H.350 compliant  
Meetings Directory support

## Embedded HD Multipoint Control Unit

6-way HD CP multipoint conference with up to 4 visible  
participants  
6-way HD VAS multipoint conference  
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  
2 x 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 via external  
power supply

## 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

## Codec Dimensions

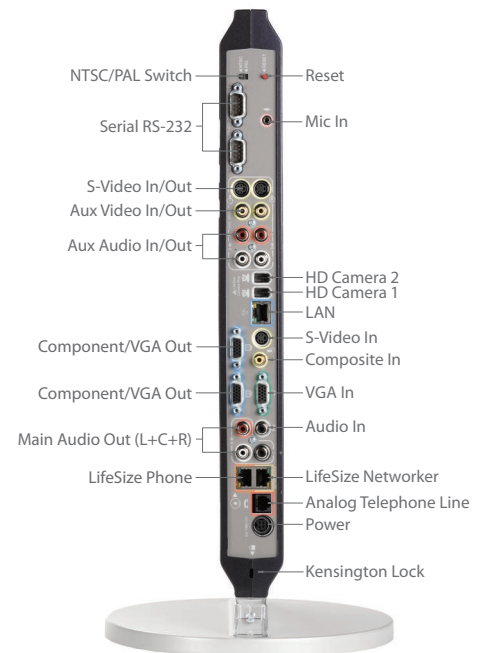
Width: 436.99mm (17.2")  
Depth: 197mm (7.76")  
Height: 47.2mm (1.86")  
Weight: 2.52Kg (5.56 lbs)

## Regulatory Model Number

LifeSize Room = LFZ-001

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

Information contained in this document is preliminary and sub-  
ject to change without notice. LifeSize is a registered trademark  
or trademark of LifeSize Communications in the U.S. and other  
countries. © Copyright 2009. All rights reserved. April 2009.



**Corporate Headquarters:** 901 S. Mopac Expressway  
Building 3, Suite 300  
Austin, Texas 78746 USA  
**Phone:** +1 512 347 9300  
**Fax:** +1 512 347 9301  
**Email:** [info@lifesize.com](mailto:info@lifesize.com)  
[www.lifesize.com](http://www.lifesize.com)

**EMEA:** LifeSize Communications  
Toll-Free Europe  
008000 999 09 799

**APAC:** LifeSize Communications  
Hong Kong  
Phone: +852 8239 3695