# LifeSize®

**Experience Communication in High Definition**

LifeSize® Room™

**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** | **P-P** |
| **Embedded Continuous Presence (CP) HD Multipoint** | **6CP** |
| **Embedded Voice Activated Switching (VAS) HD Multipoint** | **6VAS** |

# 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

## 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-fee 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

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NTSC/PAL Switch — Reset
Serial RS-232 — Mic In
S-Video In/Out
Aux Video In/Out
Aux Audio In/Out
HD Camera 2
HD Camera 1
LAN
Component/VGA Out — S-Video In
Composite In
Component/VGA Out — VGA In
Main Audio Out (L+C+R) — Audio In
LifeSize Phone — LifeSize Networker
Analog Telephone Line
Power
Kensington Lock