



## High Definition Video

LifeSize Room is the High Definition video communications system designed for use in the conference room to the classroom or any room in between.

Experience nearly 10X the quality of existing video conferencing systems resulting in high definition resolution (1280 x 720 pixels) for crystal clear quality. LifeSize Room uses the latest advances in processing power, display technology, high definition audio and camera technology. The result is true-to-life conferencing and better productivity.

( See, hear and truly understand everyone in the room )

From the outset, LifeSize designed video communications with absolute simplicity in mind for users. Connect calls from the integrated speakerphone, use the high definition interface and schedule conferences from Microsoft Outlook™. Rely on video communications for face to face meetings when email and the phone are not enough.

High definition quality. Simplicity. Complete connectivity.  
LifeSize Room is how video communications were meant to be. Clearly.

## The Advantages are Clear

**High Definition Video** — Up to 1280 x 720 resolution and better quality at all bandwidths

**High Definition Audio** — Fully integrated super wide-band speakerphone provides up to 16 kHz audio

**Simple to Use** — Intuitive interface and integrated directory make adding participants as simple as a phone call

**Standards-Based** — H.264 and H.263 for interoperability with multi-vendor systems

**Dual Streaming** — Share presentations and view participants simultaneously; H.239 compliant

**Fully Integrated System** — Plug and play system with high definition codec, speakerphone, camera and wireless remote

**Complete Connectivity** — Connect to IP networks up to 2.5Mbps and ISDN/PRI and BRI in conjunction with LifeSize Networker™ enhanced gateway

**Embedded Multipoint** — 4-way multipoint built into the system for easy addition of participants for video or audio-only calls

**Centralized Management** — Integration with LifeSize Control™ management software and SNMP support

# Product Specifications

## System Components

LifeSize codec with stand  
High definition PTZ camera  
LifeSize Phone™ – fully integrated speakerphone  
Wireless remote control  
Cables

## Communications

128Kbps – 2.5Mbps  
IP calls: H.323  
Integration to LifeSize Networker enhanced gateway for IP to ISDN H.320 connectivity  
1 x RJ-45 Network LAN  
1 x RJ-45 for LifeSize Networker (PoE Support)  
1 x RJ-11 for PSTN

## Support for Multiple Displays

Plasma flat panel displays  
CRT monitors - 720p displays  
VGA support  
Large screen rear projection TV displays - 720p displays  
Front projection displays  
Rear projector A/V room configurations  
For additional information on displays, visit:  
[www.lifesize.com/support](http://www.lifesize.com/support)

## High Definition Camera

LifeSize-designed high definition pan/tilt/zoom camera (patent pending)  
Resolution: 1280 x 720, 30fps  
Wide-angle zoom lens  
70 degree field of view  
Auto focus  
Automatic gain control

## Video Specifications / Video Resolution

Widescreen 16:9 Modes  
Widescreen FCIF (512x288 pixels) 128 Kbps  
2xWidescreen FCIF (672x384 pixels) 384 Kbps  
DVD Resolution (848x480 pixels) 512 Kbps  
2xDVD Resolution (1024x576 pixels) 768 Kbps  
High Definition (1280x720 pixels) 1 Mbps

## Video Standards

H.264, H.263, H.239 compliant  
Supports Dual Streaming

## Video Formats

16:9 High Definition aspect ratio

## Video Inputs (6 Inputs)

1x High Definition Cameras  
2 x S-Video  
2 x RCA In  
1 x VGA In

## Video Outputs (4 Outputs)

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

## 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 or PSTN interface

No subwoofer required, no additional microphone pods required  
2X the room coverage  
Powered by video system

## Audio Features

High Definition Audio  
Full duplex for natural conversations  
Echo cancellation for echo-free calls  
Automatic gain control  
Automatic noise reduction  
Audio over ISDN

## Audio Standards

G.711, G.722, G.722.1, G.729  
MPEG-4 AAC

## Audio Inputs (3 Inputs)

1 x RJ-45 (PoE Support)  
1 x RCA line level in  
1 x RCA line level input

## Audio Outputs (2 Outputs)

1 x Main audio output (L+C+R)  
1 x RCA output

## User Interface & Features

High definition, context sensitive user interface  
Wireless I/R remote  
Connect participants from integrated speakerphone  
Localized language support  
Customizable front screen  
Selectable camera icons & preview

## Security

Flash-based Web management tool  
Admin password  
SNMP security alerts  
Ability to disable IP services, Web, Telnet and FTP

## Intelligent Networking Features

Auto H.323 dialing  
When used with LifeSize Networker:  
H.320 dialing  
Auto SPID detect and downspeeding  
Auto Number configuration  
Auto gatekeeper discovery  
Packet loss recovery

## Directory and Address Book

Up to 1000 local directory entries  
H.350 compliant  
Hierarchical address book  
Integrates with Microsoft Exchange™ for Microsoft Outlook™ end user scheduling when using LifeSize Control management software

## Embedded Multipoint Control Unit

4-port multipoint conferencing for video or audio  
Supports LifeSize to LifeSize H.239 multipoint  
Seamlessly add participants  
Integrated management with LifeSize Control management software  
Continuous presence support

## System Management

Out of box setup via web interface and web management tool  
SNMP  
Call detail reporting  
2x DB-9 RS-232 ports configurable as control

## Power

AC Voltage 100-240V, 50-60 Hz, 2A

## Environmental Data

Operating temperature:  
0°C (32°F) to 35°C (95°F)  
Operating humidity:  
15% to 85%, non-condensing  
Storage temperature:  
-40°C (-40°F) to 70°C (158°F)  
Storage humidity: 10% to 90%

## Regulatory Model Number

Model: LifeSize Room = LFZ-001

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

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