



Experience Communication in High Definition



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.

From its inception, LifeSize designed a system for high definition (1280 x 720 resolution) and 30 frames per second for no compromise performance. LifeSize Room uses the latest advances in processing power, display technology, high definition audio and camera technology. The result is crystal clear video quality, true to life conferencing and better productivity.

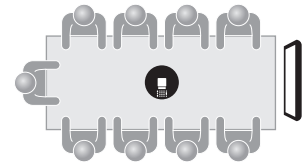
See, hear and truly understand every voice, gesture and idea

With embedded 4-way HD multipoint capabilities, LifeSize Room allows additional participants to connect quickly and seamlessly to calls. Multimedia and documents can be shared amongst all endpoints, enabling executives, managers, and anyone with dispersed colleagues to collaborate more effectively.

LifeSize designed video communications with absolute user simplicity in mind. Dial remote participants on demand with the integrated LifeSize® Phone™. Rely on video communications for face to face meetings when email and the phone are simply not enough.

High definition quality. Simplicity. Meaningful connections. LifeSize Room is clearly how video communications is meant to be.

Ideal for Large Conference Rooms



The Advantages are Clear

High Definition Video — 1280 x 720 resolution, 30fps at 1Mbps and better quality at any bandwidth

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

Embedded HD Multipoint — 4-way high definition multipoint, 30 frames per second and continuous presence built-in and easy to connect video and audio calls

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

Integrator-Ready — Flexible for dual HD monitor environments, custom rooms including control (RS-232) audio system integration

Centralized Management — Integration with LifeSize® Control™ management software

Product Specifications

System Components

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

Communications

128Kbps – 5.0Mbps
IP calls: H.323, SIP
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

Support for Single or Dual Monitor 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

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 zoom lens
70 degree field of view
Auto focus
Automatic gain control
10 camera presets
7.5 M / 25 ft. cable
Optional 15M / 50 ft. cable

Video Specifications / Video Resolution

Maximum Resolutions Widescreen 16:9 Modes
128 Kbps (400x244pixels) Widescreen FCIF
384kbps (768x432pixels) Cable TV
512kbps (848x480pixels) DVD Resolution
768kbps (1088x608pixels) 2xs DVD Resolution
1 Mbps or higher (1280x720pixels) High Definition

Video Standards

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

Video Formats

16:9 High Definition aspect ratio

Video Inputs (6 Inputs)

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

Video Outputs (4 Outputs)

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

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 PSTN

Audio Standards

G.711, G.722, G.729, G.722.1C (Polycom® Siren14™)
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 (L+R)

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 background screen
Selectable camera icons & live preview

Security

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

Intelligent Networking Features

Auto H.323 dialing
When used with LifeSize Networker:
H.320 dialing
Auto SPIID detect and downspeeding
Auto Number configuration

Directory and Address Book

Up to 1000 local directory entries
H.350 compliant
Hierarchical address book

Embedded HD Multipoint Control Unit

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

System Management

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

Power

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

Environmental Data

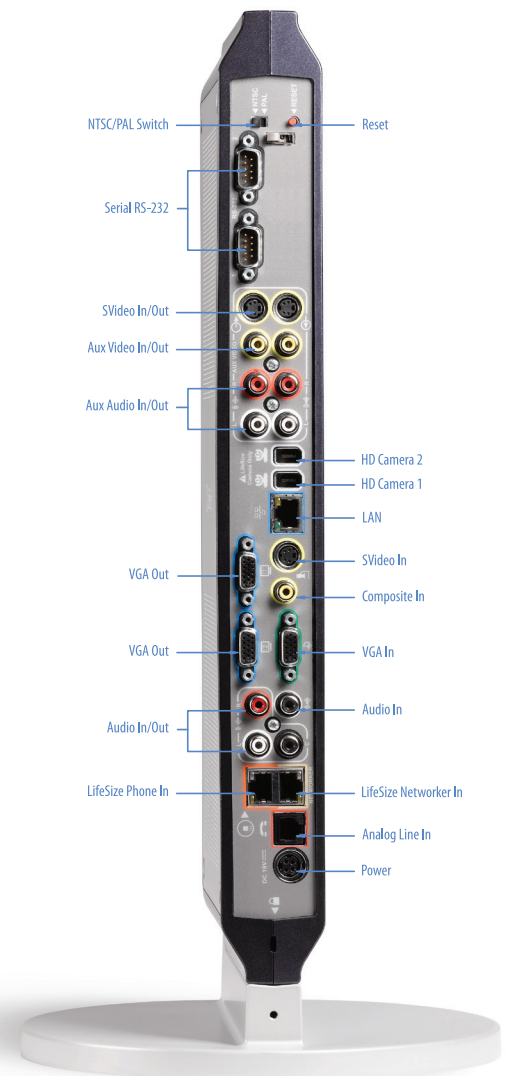
Operating temperature:
0°C (32°F) to 35°C (95°F)
Operating humidity:
15% to 85%, non-condensing
Storage temperature:
-40°C (-40°F) to 70°C (158°F)
Storage humidity: 10% to 90%

Regulatory Model Number

Model: LifeSize Room = LFZ-001

For additional information: www.lifesize.com/support

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