

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 camera
LifeSize Phone – fully integrated speakerphone
Wireless remote control
Power supply
Cables

Communications

128Kbps – 6Mbps (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 (PoE Support)
1 x RJ-11 for analog telephone line
1 x 3.5mm Mic In for LifeSize MicPod

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

High Definition 720p PTZ 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° field of view
Auto focus
Automatic gain control
10 camera presets (near or far end)
7.5M / 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.261, H.263, H.263+, H.264 and H.239
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, HD Audio Conference Phone

LifeSize-designed full featured conference phone
doubles as the microphone for video system
16 microphones in a patent-pending Circular Array with beam forming for clear audio pickup
100 Hz up to 16 kHz
H.323, SIP support
Stand alone phone option using VoIP
Powered by codec directly through cable

Audio Features

HD 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 (4 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
Graphical User Interface Call Manager
14 localized languages supported
Customizable background screen
Do Not Disturb mode

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™

Intelligent Networking Features

NAT/Firewall Traversal (H.460/SIP)
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 support/H.350 compliant
Meetings Directory support
Hierarchical address book

Embedded HD Multipoint Control Unit

6-way HD CP multipoint conference with up to 4 visible participants
Support for Dominant Speaker icon
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 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 via external power supply

Environmental Data

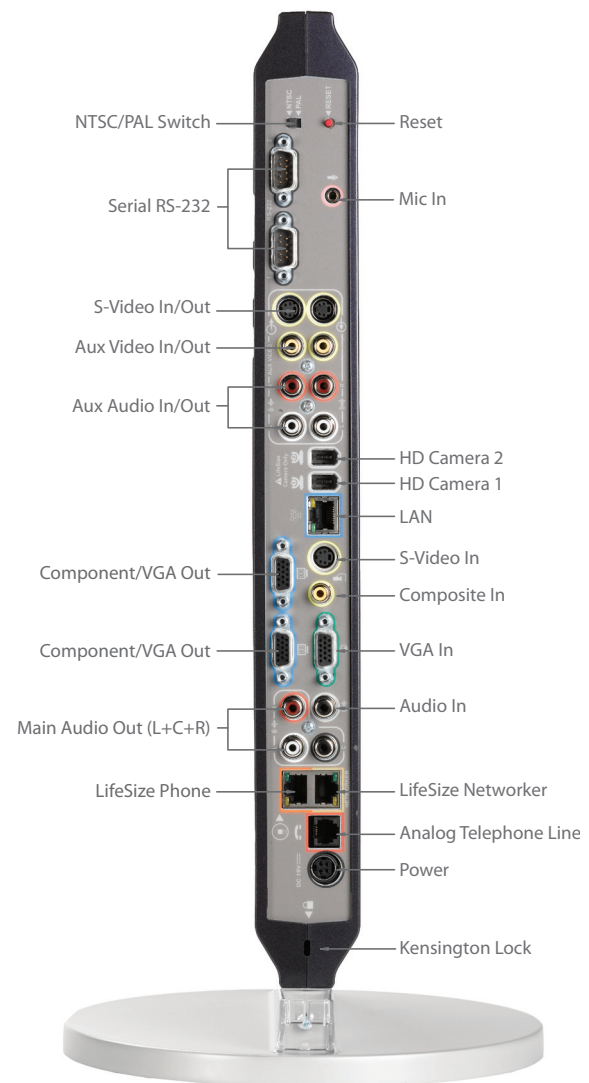
Operating temperature: 0°C (32°F) to 35°C (95°F)
Operating humidity: 15% to 85%, non-condensing
Storage temperature: -20°C (-4°F) to 60°C (140°F)
Storage humidity: 10% to 90%, non-condensing

Regulatory Model Number

Model: LFZ-001

For additional information: www.lifesize.com/support

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