



Experience Communication in High Definition



Introducing Full HD for the most realistic video communications experience ever



## Experience Superior Communication

Experience the world's first, Full HD video communications system. One look and you can see for yourself that the LifeSize® difference is the LifeSize experience - superior video experiences across cities, countries and continents.

With the LifeSize Room 200 solution, you get every bit of quality available today, with Full High Definition, standards-based 1080p30 for the highest available resolution and 720p60 for the best motion handling with lower latency. Plus, an embedded 6-way Continuous Presence multipoint bridge (with 4 visible participants), complete with transcoding and all digital I/O in a compact, sleek unit that's less than half the size of comparable solutions.

Flexibility is enhanced, since our exemplary attention to the human interface ensures that the LifeSize Room 200 system is easy to use. And because we're committed to open architecture, proven LifeSize interoperability provides full integration into your existing communications infrastructure.

You also get unprecedented bandwidth/performance:

- 768kbps for 720p30
- 1.1Mbps for 720p60
- 1.7Mbps for 1080p30

### In today's world, better than being there.

In addition to technology, service and support, LifeSize offers the most interactive, face-to-face video communications experience you can get. In fact, the LifeSize Room 200's exceptional quality and user simplicity now make remote communications a more productive, true-to-life experience. And like all LifeSize products, LifeSize Room 200 delivers superior quality of experience, unique flexibility and unmatched price performance.

## LifeSize Room 200 Key Features

Video Quality

Full High Definition Standards-based  
1920x1080 - 30fps  
1280x720 - 60fps

HD Monitors



HD Cameras Pan-Tilt-Zoom (PTZ)



HD Audio



External Audio, Video & Data Input/Output

Audio: 4 in, 2 out  
Video: 6 in, 2 out  
Data: 1 in, 1 out

Point-to-Point HD Video Communications



Embedded Continuous Presence (CP) HD Multipoint



Embedded Voice Activated Switching (VAS) HD Multipoint



# Product Specifications - LifeSize®Room 200™

## System Components

LifeSize codec with stand  
High Definition PTZ LifeSize Camera 200  
LifeSize Phone  
New wireless remote control  
Power Supply  
Cables

## Communications

128Kbps – 6.0Mbps (point-point)  
128Kbps – 2.0Mbps (multipoint, per call)  
H.323, SIP  
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 for Multiple HD Displays

Support for Multiple HD Displays  
Any display supporting HDMI or DVI-I input up to 1080p30, 1080i60 and 720p60  
For additional information on displays, visit:  
[www.lifesize.com/support](http://www.lifesize.com/support)

## High Definition 1080p30/720p60 PTZ Camera

LifeSize-designed HD 1080p30/720p60 pan/tilt/zoom camera (patent pending)  
Maximum Resolution: 1920x1080, 30fps  
Maximum Frame Rate: 60fps at 1280x720p  
Support for multiple HD cameras including standard LifeSize Camera via firewire  
Support for two active camera sources at 720p30  
Wide-angle zoom lens with 70 degree field of view  
4x Optical Zoom / 4x Digital Zoom  
Auto focus  
Automatic gain control  
10 camera presets (near or far end)  
Standard 3.0M HDMI 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 except 60 frames per second where noted  
128Kbps (400x244pixels) Widescreen FCIF  
384Kbps (768x432pixels) Cable TV  
512Kbps (848x480pixels) DVD Resolution  
768Kbps (1280x720pixels) High Definition  
1.1 Mbps (1280x720pixels @ p60) High Definition  
1.7 Mbps or higher (1920x1080pixels) 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  
Support for multiple dual live streaming modes:  
1080p30 and 720p5  
720p60 and 720p5  
720p30 and 720p30

## Video Formats

16:9 High Definition aspect ratio

## Video Inputs (6 Inputs)

1 x High Definition Camera (720p30)  
2 x HD Video In (1080p30/720p60)  
1 x DVI-I In (VGA enabled)  
1 x Component In or 1 x Composite In  
1 x S-Video In (VGA enabled)

## Video Outputs (2 Outputs)

1 x HD Video Out (1080p30/720p60)  
1 x DVI-I Video Out (1080p30/720p60)

## 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  
100Hz up to 16kHz  
H.323/SIP support  
Stand alone phone option using VoIP  
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.722.1C (Polycom® Siren 14™), G.728, G.729, MPEG4-AAC-LC

## Audio Inputs (4 Inputs)

1 x RJ-45 (LifeSize Phone)  
2 x Stereo Line In (3.5mm)  
1 x Mic In – Two Channel (3.5mm)

## Audio Outputs (2 Outputs)

1 x RJ-45 (LifeSize Phone)  
1 x Stereo Line Output (3.5mm)

## User Interface & Features

Context sensitive user interface  
Graphical User Interface Call Manager  
14 Localized languages supported  
Customizable background screens  
Do Not Disturb (DND)

## Security

Flash-based Web management tool  
Admin and User level password  
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)  
IP v4 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 management  
SNMP  
1 x DB-9 RS-232 port configurable as control  
1 x USB (for future use)  
Backup and Restore capability

## Power

AC Voltage 100-240V, 50-60 Hz, 2.5A via external power supply

## Environmental Data

Operating temperature: 0°C (32°F) to 40°C (104°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: LifeSize Room 200 = LFZ-015

For additional information: [www.ipl.com.au](http://www.ipl.com.au)

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