

# LifeSize® Room 200™

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 Displays**

Support for single or dual monitor 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

#### 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**

 $\hbox{H.261, H.263, H.263+, H.264, and H.239 compliant} \\$ 

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

bhone doubles as the microphone for vide 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 though cable

#### **Audio Features**

High Definition Audio

GIPS NetEQ packet loss concealment

Full duplex for natural conversations Echo cancellation for echo-free calls

Echo cancellation for echo-free cal

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 mode

## 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

tool

SNMF

1 x DB-9 RS-232 port configurable as control

1 x USB (for future use)

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:  $0^{\circ}\text{C}$  (32°F) to  $40^{\circ}\text{C}$  (104°F) Operating Humidity: 15% to 85%, non-condensing Storage temperature:  $-20^{\circ}\text{C}$  (-4°F) to  $60^{\circ}\text{C}$  (140°F) Storage humidity: 10% to 90%, non-condensing

Regulatory Model Number Model: LifeSize Room 200 = LFZ-015

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For additional information: www.lifesize.com/support

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