



Full HD for the most flexible, realistic video communications experience ever

# **Experience Exceptional Communication**

It's here—the next generation in Full HD video communications—LifeSize® Room 220™.

With LifeSize Room 220, you get the highest level of quality available today—Full HD, standards-based 1080p30 for the highest resolution on the market and 720p60 for the best motion handling with lower latency. LifeSize Room 220 comes standard with an embedded 8-way continuous presence multipoint bridge showing 4 visible sites, complete with transcoding and all digital I/O. Plus, LifeSize Room 220 has a point-to-point throughput of 8 Mbps. And the compact, sleek unit is less than half the size of comparable solutions.

One look and you can see for yourself that the LifeSize® difference is the LifeSize experience—superior video communications across cities, countries and continents.

Flexibility is enhanced since our exemplary attention to the human interface ensures that the LifeSize Room 220 system is simple and easy to use. And because we're committed to open architecture, proven LifeSize interoperability provides full integration into your existing standards-based communications infrastructure.

# LifeSize Room 220 features:

- Unprecedented bandwidth/performance
- Adaptive Motion Control with Forward Error Correction
- Streaming and recording of point-to-point and multipoint calls

# In Today's World, Better Than Being There

In addition to technology, service and support, LifeSize offers the most exceptional quality and user simplicity, making remote communications a more productive, true-to-life experience. And like all LifeSize products, LifeSize Room 220 delivers superior quality of experience, unique flexibility and unmatched price/performance.



# LifeSize Room 220 Key Features

Video Ouality Full HD Standards-based 1920x1080 - 30fps 1280x720 - 60fps

**HD Monitors** 



HD Cameras Pan-Tilt-Zoom (PTZ)





**HD Audio** 



External Audio, Video & Data Input/Output Audio: 8 in, 4 out Video: 6 in, 2 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**

# **System Components**

LifeSize codec with stand HD PTZ LifeSize Camera 200 or LifeSize Camera 10x LifeSize Phone Wireless remote control Power supply/cables

#### Communications

H.323, SIP, 128 Kbps–8.0 Mbps (point-point)
128 Kbps - 2.0 Mbps (multipoint, per call)
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
1x3.5 mm Mic In for LifeSize MicPod

# Support for multiple HD displays

Any HD display supporting HDMI or DVI-I input For additional information on displays, visit: www.lifesize.com/support

### HD 1080p30/720p60 PTZ Camera

Support for two active camera sources at 720p30 Wide-angle zoom lens with 70 degree field of view Up to 4x/10x optical zoom on LifeSize Camera 200/10x Auto focus/Automatic gain control 10 camera presets (near and far end) Standard 3.0 M HDMI cable Support for Sony EVI-HD1 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 384 Kbps (912x512 pixels) DVD resolution 512 Kbps (1024x576 pixels) T68 Kbps (1280x720 pixels) high definition 1.1 Mbps (1280x720 pixels @ p60) high definition 1.7 Mbps or higher (1920x1080 pixels) high definition

# **Video Standards**

H.261, H.263, H.263+, H.264 and H.239 and BFCP compliant with Polycom
Support for multiple dual live streaming modes: 1080p30 and 720p5
720p60 and 720p5
720p30 and 720p30

# Video Inputs (6 Inputs)

1 x High definition camera (720p30) 2 x HD Video In (1080p30/720p30) 1 x DVI-I In (HDMI/VGA enabled) 1 x Component In or 1 x Composite In 1 x S-Video In

# **Video Outputs (2 Outputs)**

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

# **User Interface & Features**

Context sensitive user interface Graphical user interface call manager Multiple languages supported Do Not Disturb mode RS-232 serial pass-through support

# Fully Integrated, HD Audio Conference Phone

100 Hz up to 16 kHz 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
MicPod or Dual MicPod support (optional)

#### **Audio Standards**

G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, G.728, G.729, MPEG-4-AAC-LC

# **Audio Inputs (8 Inputs)**

1 x RJ-45 (LifeSize Phone)
2 x Stereo Line In (3.5mm)
1 x Mic In - two channel (3.5mm)
2 x HD Video In
1 x DVI-l In
1 x HD Camera In (Focus)

# **Audio Outputs (4 Outputs)**

1 x RJ-45 (LifeSize Phone) 1 x Stereo Line Output (3.5mm) 1 x HD Video Out 1 X DVI-I Out

#### **Other Supported Standards**

H.221, H.224, H.225, H.231, H.241, H.242, H.245, H.281, BONDING (ISO13871) via LifeSize Networker, RFC 3261, RFC 3264, RFC 2190, RFC 3407, RFC 2833

# Stream/Record with LifeSize® Video Center

Record/stream outside of a call Record/stream point-to-point or multipoint calls Capture all, near or far call participants Auto-record all calls Single button, ad-hoc recording Recording indicator

# Security

Admin and user level password SNMP security alerts Ability to disable HTTP, SSH and Telnet services H.235 (AES) encryption support including strict compliance TLS/SRTP support IEEE 802.1x support Kensington Security Slot

# **Intelligent Network Features**

Adaptive Motion Control (AMC) including Forward Error Correction (FEC) NAT/firewall traversal (H.460/SIP) IPv4 and IPv6 support Auto bandwidth detection ISDN support via LifeSize Networker

# **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 H.323 URI dialing support (AnnexO)

# LifeSize® Room 220™

### **Embedded HD Multipoint Control Unit**

Full HD CP MCU with up to 4 visible participants Up to 8-way 720p60/ 720p30/ 6-way 1080p30 CP or VAS mode

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 SNMP

1 x DB-9 RS-232 port 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:  $0^{\circ}$  C (32° F) to  $40^{\circ}$  C (104° F) Operating humidity: 15% to 85%, non-condensing Storage temperature:  $-20^{\circ}$  C ( $-4^{\circ}$  F) to  $60^{\circ}$  C ( $140^{\circ}$  F) Storage humidity: 10% to 90%, non-condensing

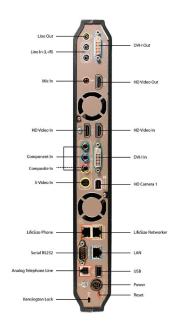
#### **Codec Dimensions**

Width: 373.9 mm (14.72") Depth: 225 mm (8.86") Height: 48.3 mm (1.9") Weight: 2.24 Kg ( 4.94 lbs)

Regulatory Model Number LifeSize Room 220 = LFZ-015



Microsoft® qualified with Microsoft® Office Communications Server 2007  $R2^{\rm m}$  and interoperable with Microsoft Lync





# **AMERICAS:**

LifeSize 1601 S. MoPac Expressway Suite 100 Austin, Texas 78746 USA +1 512 347 9300 Toll Free US +1 877 543 3749 E-mail info@lifesize.com www.lifesize.com

## EMEA:

LifeSize Regional Office +49 89 1222 899 0 (Germany) Toll Free Europe 00 8000 999 09 799

# APAC:

LifeSize Regional Office +65 6303 8370 (Singapore)