LifeSize®

Experience Communication in High Definition

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. Introducing LifeSize® Room 220™, the world's most powerful HD video communications system.

With LifeSize Room 220, you get the highest level of quality available today -- Full High Definition, standards-based 1080p30 for the highest resolution on the market and 720p60 for the best motion handling with lower latency. But, 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 also has a point-to-point throughput of 8Mbps. 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.

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 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

Feature	Details
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: 8 in, 4 out Video: 6 in, 2 out Data: 2 in, 2 out
Point-to-Point HD Video Communications	P-P
Embedded Continuous Presence (CP) HD Multipoint	8 CP
Embedded Voice Activated Switching (VAS) HD Multipoint	8 VAS

Product Specifications - LifeSize® Room 220™

System Components
LifeSize codec with stand
High Definition PTZ Lifesize Camera 200
LifeSize Phone
Wireless remote control
Power Supply
Cables

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

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

High Definition 1080p30/720p60 PTZ Camera
Support for two active camera sources at 720p30
Wide-angle zoom lens with 70 degree field of view
4x Optical zoom
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
128Kbps (400x244pixels) Widescreen FCIF
384Kbps (912x512pixels) Cable TV
512Kbps (1024x576pixels) DVD resolution
768Kbps(1280x720pixels) High Definition
1.1Mbps (1280x720pixels @ p60) High Definition
1.7Mbps or higher (1920x1080pixels) High Definition

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
High Definition, 16:9 aspect ratio

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 (VGA enabled)

Video Outputs (2 Outputs)
1 x HD Video Out (1080p30/720p60)
1 x DVI-I Out (1080p30/720p60)

Fully Integrated, HD Audio Conference Phone
100Hz up to 16kHz
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.722.1 (Polycom© Siren14™), 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-I 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

User Interface & Features
Context sensitive user interface
Graphical User Interface Call Manager
Multiple languages supported
Do Not Disturb mode

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)
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

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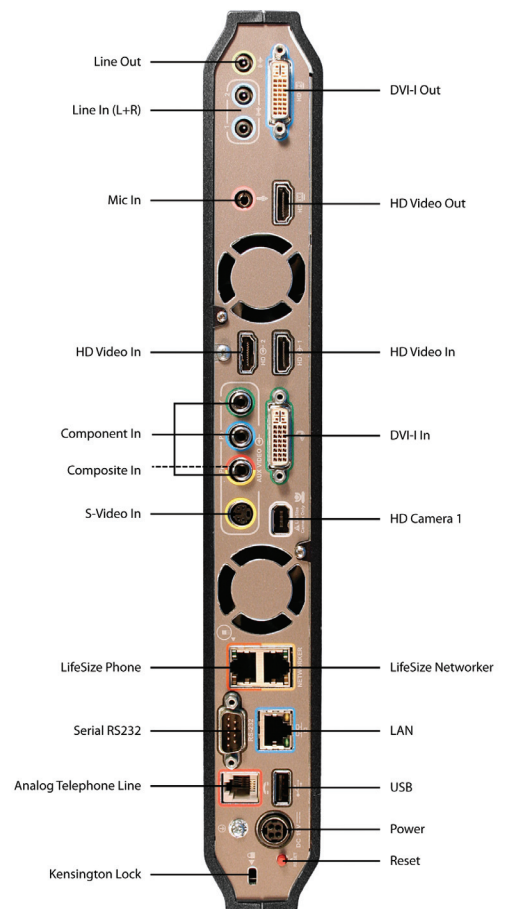
Codec Dimensions
Width: 373.9mm (14.72")
Depth: 225mm (8.86")
Height: 48.3mm (1.9")
Weight: 2.24 Kg (4.94lbs)

Regulatory Model Number
LifeSize Room 220 = LFZ-015

For additional information: www.lifesize.com/support

Connector	Connector
Line Out	DVI-I Out
Line In (L+R)	
Mic In	HD Video Out
HD Video In	HD Video In
Component In	DVI-I In
Composite In	
S-Video In	HD Camera 1
LifeSize Phone	LifeSize Networker
Serial RS232	LAN
Analog Telephone Line	USB
	Power
	Reset
Kensington Lock	

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