

**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.

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 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



Embedded Continuous Presence (CP) HD Multipoint



Embedded Voice Activated Switching (VAS) HD Multipoint



Product Specifications - LifeSize® Room 220™

System Components

LifeSize codec with stand
High Definition PTZ LifeSize Camera 200 or
LifeSize Camera 10x
LifeSize Phone
Wireless remote control
Power Supply
Cables

Communications

H.323, SIP
128Kbps - 8.0Mbps (point-to-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
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
384Kbps (912x512pixels) DVD resolution
512Kbps (1024x576pixels)
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

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

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.722.1C 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-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

Stream/Recording

Record/Stream outside of a call
Record/Stream point-to-point or multipoint calls
Capture all call participants
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

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

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