

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
Quality

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)
768 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-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/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° 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

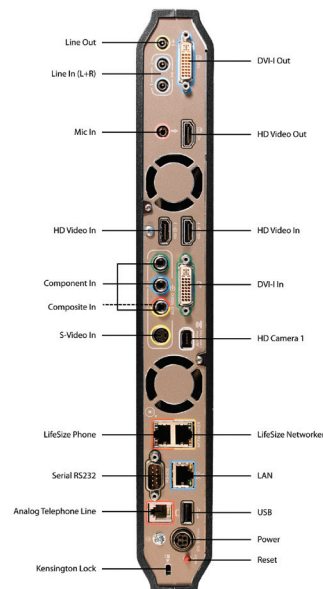
Codec Dimensions

Width: 373.9 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



Interoperable with Microsoft® Office Communications
Server 2007 R2™ and Microsoft Lync™



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