Experience Exceptional Communication

LifeSize® Room 220™

LifeSize Room 220 gives you 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.

Ideal for large meetings and conference rooms, LifeSize Room 220 comes standard with an embedded eight-way continuous-presence multipoint bridge showing four 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.

Combined with the LifeSize® Phone™, 2nd Generation, LifeSize® Camera 10x™ and LifeSize® Digital MicPod™, you have the most full-featured video conferencing solution available today. The LifeSize Phone brings touchscreen simplicity to the conference room and eliminates the need for a separate remote control. Users can share content, control cameras, change layouts, add callers and do so much more with ease.

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 At-a-Glance

Video Quality	Full HD Standards-based 1920x1080-30fps 1280x720-60fps
HD Monitors	Supports up to two HD monitors
HD Cameras	Supports multiple HD pan-tilt-zoom cameras
Manage HD Video & Audio	Control multiparty calls and data sharing with the touchscreen interface of LifeSize Phone, 2nd Generation
Embedded Continuous-Presence (CP) HD Multipoint	Host a multipoint call with the embedded 6-way or 8-way bridge
Free video-based training	www.lifesize.com/training

System Components
LifeSize codec with stand
LifeSize Camera 10x
LifeSize Phone, 2nd Generation
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, 2nd Generation (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 10x 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
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 and 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
90 Hz up to 16 kHz
Powered by codec directly through cable
Touchscreen user interface
Manage both HD video and audio
Support for up to two LifeSize Digital MicPods (additional purchase)

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
LifeSize 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, 2nd Generation)
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, 2nd Generation)
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 participants (near or far)
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 1,000 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)

Embedded HD Multipoint Control Unit
Full HD CP MCU with up to four 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%, noncondensing
Storage temperature: –20°C (–4°F) to 60°C (140°F)
Storage humidity: 10% to 90%, noncondensing

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 Partner Network
Microsoft® qualified with Microsoft® Office Communications Server 2007 R2™ and interoperable with Microsoft® Lync®

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LifeSize
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Delivering the Ultimate Communication Experience

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