

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 touch-screen 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 touch-screen 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/ask

System Components

LifeSize codec with stand
 HD PTZ LifeSize Camera 200 or 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 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 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
 Touch-screen 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®



Headquarters

Austin, Texas, USA
 +1 512 347 9300
 Toll Free US +1 877 543 3749

EMEA Regional Office

Munich, Germany
 +49 89 20 70 76 0
 Toll Free Europe +00 8000 999 09 799

www.lifesize.com
 E-mail info@lifesize.com

APAC Regional Office
 Singapore
 +65 6303 8370



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Delivering the Ultimate Communication Experience

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