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.
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-to-point)
128 Kbps – 2.0 Mbps (multipoint, per call)
1x RJ-45 Network LAN (10/100 Mbps)
1x RJ-45 for LifeSize Phone (PoE supported)
1x RJ-45 for LifeSize Networker (PoE supported)
1x RJ-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 720p60
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)

Audio Features
HD audio
G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, G.728, G.729, MPEG-4-AAC-LC

Audio Standards
G.711, G.722, G.722.1 and G.722.1C

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 Out (3.5mm)
1 x HD Video Out
1 x DVI-I Out

Audio Outputs (2 Outputs)
1 x HD Video Out
1 x Stereo Line Output (3.5mm)

Video Standards
H.261, H.263, H.263+, H.264 and H.239 and BFCP

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

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)

Power
AC voltage 100-240V, 50–60 Hz, 2.5A via external power supply

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
Back up and restore capability
JPEG snapshots through web interface

Power
AC voltage 100-240V, 50–60 Hz, 2.5A via external power supply

LifeSize® Room 220™

System Specifications

HD 1080p30/720p60 PTZ Camera
Support for two active camera sources at 720p60
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)

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HD audio
G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, G.728, G.729, MPEG-4-AAC-LC

Audio Standards
G.711, G.722, G.722.1 and G.722.1C

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 Out (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/SSL 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.330 compliant
Meetings directory support
H.323 URI dialing support (AnnexO)

Backup and restore capability
SNMP
Out-of-box setup via web interface and management tool

MS Office Communications Server 2007 R2™ and interoperable with Microsoft Lync

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

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