LifeSize®
A division of Logitech



# Full HD Telepresence, Tailored to Your Environment

**Superior telepresence is now achievable beyond the boardroom.**
Now more users in more places can realize the benefits of telepresence to improve their productivity, working face to face with colleagues in remote locations.

LifeSize Conference 220 is the next step in telepresence—telepresence reference architecture that supports Full HD video at one third the bandwidth of comparable solutions and designed for deployment beyond the fixed telepresence suite.

With the LifeSize Conference 220 telepresence reference architecture, you get the most advanced technology and most immersive experience available today: Full HD, 1080p30, 720p60 and 720p30 dual streams to share data and documents in full motion high definition. You also get an embedded multipoint control unit (MCU), complete with transcoding.

**Flexibility is made simpler than ever.**
Our exemplary attention to the human experience ensures that the LifeSize Conference 220 architecture is easy to deploy, customize and use. And with built-in AMX panel software, calling is made simple with one-button dialing. Committed to open architecture, our proven interoperability provides complete integration with your existing communications infrastructure.

LifeSize Conference 220 means the end of costly, proprietary telepresence solutions that are too expensive and too awkward to deploy throughout your organization.

**Human clarity becomes … remarkable.**
Beyond technologies, over and above service and support, LifeSize Conference 220 enables facial expressions, body language and gestures to transcend geography. Your work teams, wherever they are, get incredible, lifelike clarity.

Review the capabilities of the LifeSize Conference 220 telepresence reference architecture. You'll discover remarkable video communications that transport user experiences across cities, countries and continents. The LifeSize difference is the LifeSize experience.

## Key Features of Telepresence Reference Architecture

| | |
|---|---|
| **Video Quality** | HD Telepresence 1920x1080, 30 fps, or 1280x720, 60 fps 16:9 wide screen format |
| **HD Monitors** | 3 Video, 1 Data |
| **HD Cameras** | Multiple |
| **HD Audio** | |
| **External Audio, Video & Data Input/ Output** | Audio: 4 in, 2 out Video: 8 in, 4 out Data: 1 in, 1 out |
| **Point-to-Point HD Telepresence** | |
| **Conference Room Telepresence Configuration** | |

## Components of Telepresence Reference Architecture

1 x LifeSize Room 220 Codec
2 x LifeSize Express 220 Codecs
3 x LifeSize Camera 10X
1 x LifeSize Phone
1 x LifeSize Conference software*
Power supplies
Cables
* Software applicable to AMX control panel

## Architecture Modes

Telepresence
   - Multicodec HD telepresence solution
Video conference
   - Dual monitor HD video conferencing solution
(See LifeSize Room 220 product datasheet)

## Communications

2.5 Mbps—16 Mbps

## Multiple Displays

Support for three Full HD video monitors
Support for one Full HD data monitor
Any high definition 1080p HDMI/DVI-I monitor
   (1920x1080) is supported
LifeSize recommends that:
   - All video monitors be identical in manufacturer
     and size to guarantee quality of the video display
   - All video monitors be between 58" and 65"
   - The data monitor be between 42" and 50"

## Full High Definition Camera

Support for three cameras attached to three codecs
   (primary input)
Resolution: 1920x1080, 30fps or 1280x720, 60fps
Camera supports locked position and focus
3 x 2.9M/10 ft. HDMI cables

## Video Specifications/Video Resolution

1.7 Mbps or higher (1920x1080p30) per codec
1.1 Mbps or higher (1280x720p60) per codec
768 Kbps (1280x720p30) per codec

## Video Standards

H.261, H.263, H.263+, H.264 and H.239

## Video Formats

High Definition, 16x9 aspect ratio

## Video Inputs (8 Inputs)

3 x LifeSize Camera 10X
   - One per codec in primary camera inputs
1 x DVI-I
1 x LifeSize Camera
1 x Composite or 1 x Component
1 x S-Video
   - Center codec only

## Video Outputs (4 Outputs)

3 x HDMI
   - One per codec to primary video monitors
1 x DVI-I
   - One from center codec to secondary data monitor

## Fully Integrated, High Definition Audio Conference Phone

16 omni-directional microphones in circular array
   with beam-forming technology for high quality
   performance
100 Hz up to 16 kHz for wideband support
Powered directly by center codec through cable

## 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 (4 Inputs)

1 x RJ-45 for LifeSize Phone
2 x 3.5mm line level in
1 x 3.5mm Mic In
   - All inputs above are attached to center codec only

## Audio Outputs (2 Outputs)

1 x RJ-45 for LifeSize Phone
1 x stereo line
   - All outputs above for center codec only

## User Interface

Provided through third-party control panel with uniquely
   designed LifeSize Conference software
Directory/address book
Hierarchical address support
Password protection
Supported AMX Solution Controller
   - NXT-CV7 7" Modero Widescreen Viewpoint Touch Panel
   - NI-3100 NetLinx Integrated Controller
   - Associated power supply and mounting brackets

## Security

Flash-based web management tool
Admin and user level passwords
SNMP security alerts
Ability to disable HTTP, SSH and TelNet services

## Power

AC Voltage per LifeSize codec
100-240V, 50-60 Hz, 2.5A

## Environmental Data

Per LifeSize codec:
Operating Temperature: 0°C (32°F) to 35°C (95°F)
Operating Humidity: 15% to 85%, noncondensing
Storage temperature: –20°C (–4°F) to 60°C (140°F)
Storage humidity: 10% to 90%, noncondensing

Regulatory Model Number
 LFZ-015

For additional information: www.lifesize.com/support

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