



HD Multipoint Control Unit

LifeSize® Multipoint™ is a high definition Multipoint Control Unit (MCU) designed to support multi-site conferencing for up to 24 simultaneous locations with 720p video quality and HD audio. The product is architected to preserve the true high definition quality for all sites when used with LifeSize video communications endpoints and interoperability with standards-compliant systems.

LifeSize Multipoint is ideal for video communications where more than 4 participants must communicate transparently and in real time with the highest quality, simplicity and manageability.

(Connect everyone together flawlessly)

LifeSize Multipoint is the cornerstone of a complete infrastructure solution. The LifeSize Multipoint solution delivers not only HD bridging, but also an extensive gatekeeper, desktop endpoints, a desktop firewall traversal solution and high quality streaming and recording. Complement your infrastructure by coupling the LifeSize Multipoint solution with LifeSize® Gateway™ for ISDN endpoints, LifeSize® Transit™ for video system firewall traversal and LifeSize® Control™ for multi-vendor video management.

High Performance. Standards-based. High Reliability. High definition, enterprise-class multipoint solutions make communications simple.

The Advantages are Clear

High Definition Multipoint - True 720p, high definition multipoint conferencing solution in 12 and 24 port capacities

High Quality, No Compromise Video Communications - Supports high definition (HD) as well as standard definition (SD) video, voice and data communications, delivering superb quality for any environment

Constant Capacity - Transparent, reliable and uninterrupted service in any environment

Scalable - Designed for use in distributed or centralized environments with the flexibility and scalability to ensure right-sized capacity

Superb Reliability - Support for ad-hoc or scheduled conferences. Scheduled conferences reserve the ports, bandwidth, and devices required for the conference

Intelligent Management - Enables optimal utilization of available resources and network services

Intuitive Management - Plug-and-play device and web-based user interface for centralized management conferences

Product Specifications

Models

LifeSize Multipoint-12
LifeSize Multipoint-24

Both models include the latest versions of:
LifeSize Gatekeeper
LifeSize Multipoint Extension
(Separate server required for both applications)

Protocols

H.323
SIP

Video Protocols

H.261
H.263
H.264

Video Resolution

HD
4CIF
CIF
QCIF

Presentation Video Resolution

HD
VGA
SVGA
XGA

Audio Protocols

AAC LC
G.711
G.722
G.722.1
G.723.1
G.728
G.729 (AB)

LifeSize Multipoint Extension

Live desktop endpoint connectivity with built-in recording and streaming functionality
Built-in NAT and Firewall traversal
Easy scheduling via Microsoft® Outlook™

	LifeSize Multipoint-12	LifeSize Multipoint-24
Form Factor	1U	1U
HD CP Video Participants @ 4Mbps	4	16
SD CP Video Participants @ 4Mbps	12	24
HD Voice Activated Switching (VAS) @ 4Mbps	12	24
Desktop Participants up to 384Kbps	24	48
Additional Streaming Users	72	144
Audio Participants	72	72

Security

H.235 AES/DES¹ encryption
Password protected web GUI user access with multiple levels: Administrator, Operator and User
PIN protected conferences
HTTPS for secured management

1 When using H.235 encryption, MCU port capacity remains unaffected for calls up to 768Kbps. For calls at higher rates, the port capacity drops to half

Quality of Service

QoS support with Diffserve, TOS, IP Precedence

Data Protocols

H.239 Dual Video
T.120

Video Auto-Attendant (IVR)

IP dialing support
Leading number support
Multi-lingual support

Conference Control from the Endpoint

H.243 conference control
DTMF-based conference control

Management

SNMP – multiple
HTTP – embedded web server

Advanced Video Processing for all ports in Standard Definition mode

Continuous presence, displaying up to 16 conference participants on one screen
Video transcoding (H.261, H.263, H.264)
Rate matching
Text overlay (i.e. conference participant's name)
26 layout options including Picture-in-Picture (PIP)
Dynamic rollover
Lecture mode

Power

AC Voltage 100 – 240V, 50-60 Hz, 5A

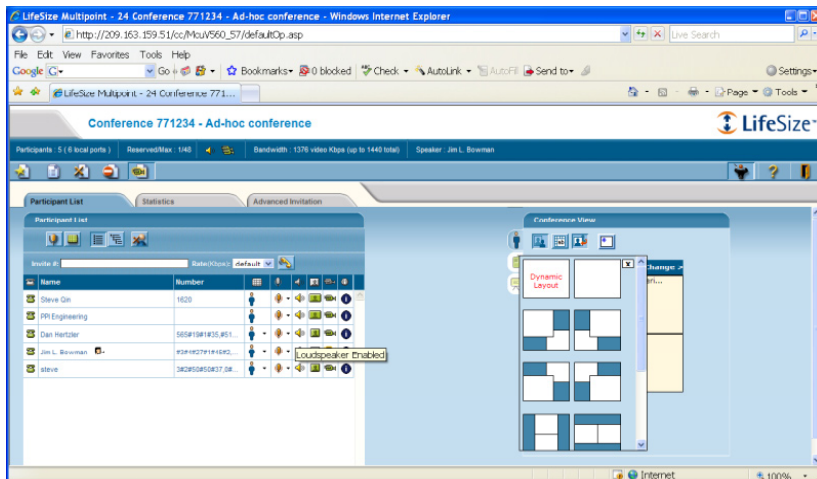
System Design

Physical Dimensions
Rack mountable (1U)
Height: 43 mm / 1.7 in
Width: 426 mm / 16.75 in
Depth: 355.6 mm / 14 in
Weight: 7.5 Kg / 16.5 lbs

Environmental Data

Operating temperature:
0°C (32°F) to 40°C (104°F)
Operating humidity:
15% to 85%, non-condensing
Storage temperature:
-40°C (-40°F) to 70°C (158°F)
Storage humidity: 10% to 90%

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