



High Definition Multipoint Control

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 high fidelity 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)

And LifeSize Multipoint is part of a complete infrastructure solution from LifeSize which includes LifeSize® Gateway PRI™ or LifeSize® Gateway Serial™, LifeSize® Gatekeeper™ for IP communications Management, LifeSize® Transit™ for firewall and NAT traversal and LifeSize® Control™ for multi-vendor video management software.

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

The Advantages are Clear

High Definition Multipoint - True 720p, 30fps high definition multipoint conferencing solution in 12 and 24 port capacities

High Quality, No Compromise Video Communications - Supports high definition quality and other resolutions as well as other standard definition (SD) video, voice and data communications using advanced DSP technologies

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)

Configurations

LifeSize Multipoint-12

- 24 Audio Ports (12 with AAC-LC)
- 12 HD Voice Activated video ports (up to 2Mbps)
- 4 HD Continuous Presence video ports (up to 2Mbps)
- 12 SD Continuous Presence / Voice Activated video ports (up to 2Mbps)
- 24 video ports CP / VA at 384Kbps or less

LifeSize Multipoint-24

- 48 Audio Ports (24 with AAC-LC)
- 24 HD Voice Activated video ports (up to 2Mbps)
- 16 HD Continuous Presence video ports (up to 2Mbps)
- 24 SD Continuous Presence / Voice Activated video ports (up to 2Mbps)
- 48 SD video ports CP / VA at 384Kbps or less

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)

Data Protocols

H.239 DualVideo
T.120

Encryption

H.235 AES/DES¹

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

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.

Power

AC Voltage 100 – 240V, 50-60 Hz, 5A

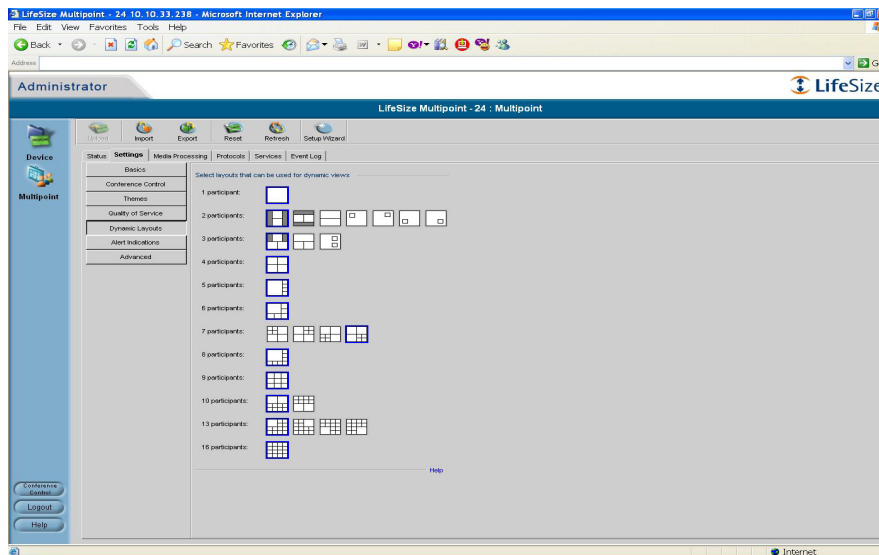
System Design

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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