



## 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/DES<sup>1</sup>

## 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

<sup>1</sup> 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

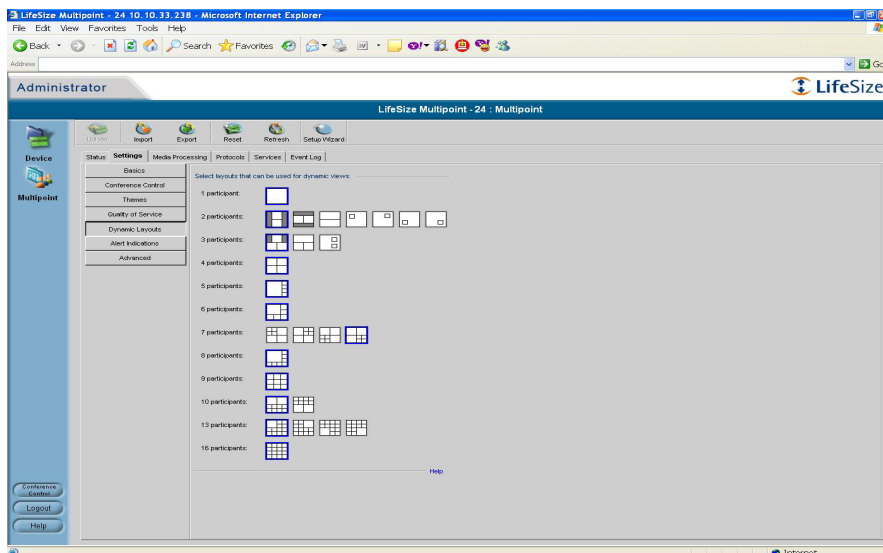
## System Design

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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