

## LifeSize Multipoint delivers HD multi-site conferencing



## HD Multipoint Control Unit

LifeSize® Multipoint™ is a high definition Multipoint Control Unit (MCU) designed to support multi-site conferencing for up to 16 simultaneous locations with 720p HD video and high quality audio. The product is architected to preserve true high definition quality for all sites when used with LifeSize and standards-compliant video systems.

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

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 bridge making communications simple.

### LifeSize Multipoint Key Features

#### HD Multipoint

True 720p, HD Multipoint conferencing up to 16 video participants

#### High Quality Communications

Supports HD and SD voice, video and data communications

#### Constant Capacity

Transparent, reliable and uninterrupted service which supports up to 24 SD ports

#### Scalable

Built for dispersed and centralized environments with the flexibility to ensure right-sized capacity

#### Microsoft® Outlook™ Integration

Invite attendees to multipoint conferences using Microsoft Outlook meeting extension

#### Intelligent Management

Enables optimal utilization of available resources and network services

#### Intuitive Management

Plug-and-play device and web-based user interface for on-demand management

#### Multi-Vendor Support

Supports video devices from LifeSize®, Polycom®, Tandberg®, Radvision®, Aethra® and Sony®

# Product Specifications

# LifeSize® Multipoint™

## Models

LifeSize Multipoint-12

LifeSize Multipoint-24

Both models include the latest versions of:

LifeSize Gatekeeper

LifeSize Multipoint Extension

(Separate server required for each application.

Microsoft® Windows™ Server 2003 not included.)

## Protocols

H.323

SIP

## Video Protocols

H.261

H.263

H.264

## Video Resolution

HD 720p

4CIF

CIF

QCIF

## Presentation Video Resolutions

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

Browser enabled, complete desktop endpoint with

built-in recording, streaming, annotations and

presentation layer video (H.239)

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/DES<sup>1</sup> 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)

27 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

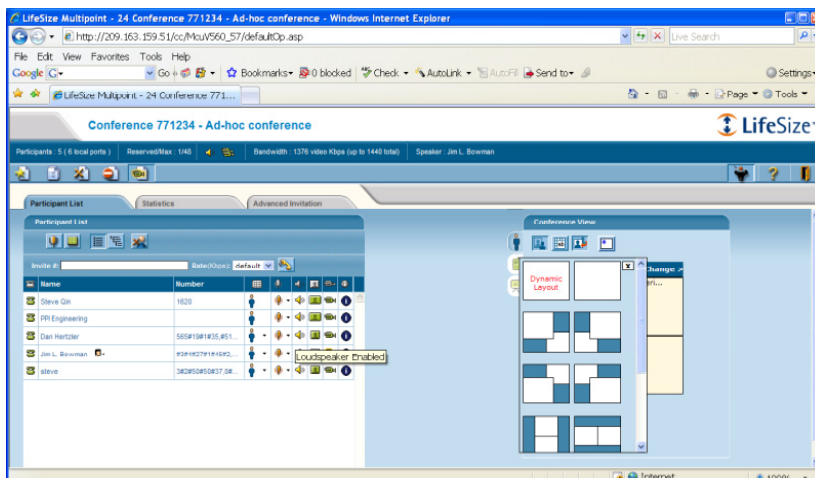
Operating temperature: 0°C (32°F) to 40°C (104°F)

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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Corporate Headquarters:  
901 S. Mopac Expressway  
Building 3, Suite 300  
Austin, Texas 78746 USA

Phone: +1 512 347 9300  
Fax: +1 512 347 9301  
Email: [info@lifesize.com](mailto:info@lifesize.com)  
[www.lifesize.com](http://www.lifesize.com)

EMEA:  
LifeSize Communications  
Toll-Free Europe  
008000 999 09 799

APAC:  
LifeSize Communications  
Hong Kong  
Phone: +852 8239 3695