

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®

Models

LifeSize Multipoint-12

LifeSize Multipoint-24

Both models include the latest versions of:

LifeSize Gatekeeper, version 7.1

LifeSize Multipoint Extension, version 7.1

(Separate server required for each application.

Microsoft® Windows™ Server 2003, or 2008 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/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)

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%

For additional information: www.lifesize.com/support

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