Ultimate Flexibility in a Software-Based Bridge

LifeSize® UVC Multipoint™

Designed for ultimate flexibility and scale, LifeSize UVC Multipoint is a standards-based multiparty solution for on-demand or scheduled video meetings.
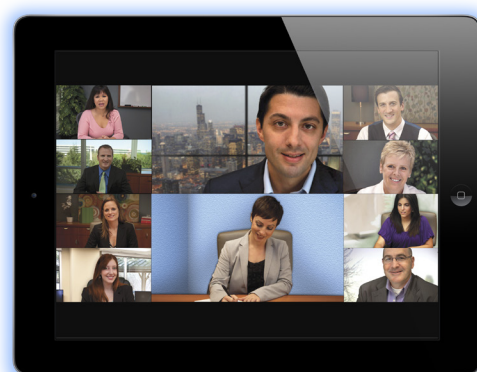
From the Conference Room to Mobile Devices

LifeSize UVC Multipoint offers ultimate flexibility to organizations that want to extend multiparty video calling across their workforce—easily and at an unrivaled price/performance. Now you can affordably host video meetings with participants calling in from a room system, desktop or mobile device or via Microsoft® Lync®. LifeSize UVC Multipoint is the first and only multiparty video solution that lets you purchase and scale one port at a time. Plus, administrators can selectively control the quality and capacity of each port, ranging from 360p to 1080p.

In addition, when LifeSize UVC Multipoint is configured with LifeSize® UVC ClearSea™*, a desktop and mobile calling solution, you can seamlessly invite new participants into your LifeSize UVC ClearSea call.

LifeSize® UVC Platform™

LifeSize UVC Multipoint is part of the LifeSize UVC Platform, the simplest, most flexible way to deploy and manage video infrastructure. For a free trial of LifeSize UVC Multipoint or any LifeSize UVC application, visit the LifeSize website.

LifeSize UVC Multipoint At-a-Glance

Flexible Port Capacity (flex ports)	Control port capacity based on resolutions that meet your needs
Multiparty Video Calling for Broad Distribution	Join on-demand meetings anytime, anywhere, on any device
Interoperable	Works with standards-based video systems from LifeSize and third parties
Enterprise Edition	Additional quality enhancements, meeting scheduler and interoperability with Microsoft Lync 2010 and Lync 2013
Flexible Licensing	Buy the capacity you need today; scale as your needs grow
Flexible Deployment	Choose LifeSize UVC virtual machine software** or LifeSize UVC hardware

* Sold separately.

** LifeSize UVC Multipoint has been optimized to run on VMware® and Microsoft® Hyper-V® virtualization technologies.

System Components

Delivered via LifeSize UVC Platform:

- LifeSize UVC virtual machine software (VMware or Microsoft Hyper-V)
- Rack-mountable LifeSize UVC hardware options

Based on security-hardened Linux® OS

Available as Standard Edition or Enterprise Edition

Communication Protocols & Video Standards

H.323, SIP, H.320 (ISDN) via LifeSize® Networker™ through a gatekeeper

H.264, H.263

Microsoft RTVideo (Lync 2010 and Lync 2013) **(ENT)**

Microsoft H.264 SVC (Lync 2013) **(ENT)**

Flexible Capacity and Licensing

Ability to increase capacity 1 flex port at a time

2 flex ports yield 1 HD 1080p port **(ENT)**

1 flex port yields 1 HD 720p, 2 480p or 4 360p ports

See Flexible Port Capacity chart below

Free trial: Includes Enterprise Edition, up to 8 flex ports

Video Performance

Shared encoder conferences: Two transcoders per conference—1080p **(ENT)**, 720p, 480p, 360p

- Conferences set at 1080p **(ENT)** & 720p: 1 encoder above 400 Kbps, 1 below 400 Kbps
- Conferences set at 480p & 360p: 1 encoder above 128 Kbps, 1 below 128 Kbps

Dedicated encoder conferences: One transcoder per participant delivers any resolution, frame rate or bandwidth without affecting any other caller **(ENT)**

Video bandwidth: 128 Kbps to 4 Mbps per port

Video resolutions: 1080p **(ENT)**, 720p, 480p, 360p all at 30 frames per second

See Video Performance chart below

Audio Standards & Performance

AAC-LC, G.722.1c 48 Kbps, 32 Kbps, 24 Kbps (Siren 14), G.722.1 32 Kbps, 24 Kbps (Siren 7), G.722, G.711 (μ-law), G.711 (A-law)

DTMF tone detection (in-band and RFC2833)

Wideband audio mixing

Presentation Standards & Protocols

H.264, H.263, H.263+, H.261

H.239, SIP dual video (LifeSize only)

Data sharing supports standard video system resolution without affecting port capacity

Audio Virtual Operator

Guides participants through conference selection

Prompts audio and video participants for conference ID and PIN

Localized voice prompts in 15 user-selectable languages

Layouts

Unique layout per participant, selectable via web UI and DTMF tone via video system **(ENT)**

15 continuous-presence layouts, voice-activated switching

Automatic speaker placement into prominent window

Up to 49 participants on screen (7x7)

Conference Support

Direct dial-in via H.323 or SIP

Automatic call escalation from LifeSize® ClearSea™ (version 3.1 or higher) or LifeSize UVC ClearSea, sold separately

Conference registration to gatekeepers and SIP PBXs

Maximum of 128 participants in a single meeting

Automatically dial meeting participants

System Administrative

Web-based configuration page within LifeSize UVC Platform dashboard

Scheduled meetings through administrative interface **(ENT)**

REST management API for third-party management

Management support—LifeSize® UVC Manager™

Live conference management with individual- and conference-level controls for:

- Audio mute/unmute (entire conference or participant)
- Conference layout selection
- Individual layout selection **(ENT)**
- Adding participants via outbound dialing
- Termination (entire conference or single participant)
- Individual statistics reporting
- Drag and drop participants

Security

PIN-protected conferences

H.235 AES and SRTP/TLS encryption

HTTPS secure management

Secure API access

Quality of Service

QoS support with Diffserve and TOS/IP precedence

Logging

Syslog for diagnostics with control over audio, communications, database, license manager, system administration, system information, system status, timer, user interface and video verbosity

Call detail records (CDR)

Microsoft Lync Support **(ENT)**

Register conferences to Lync 2010 and Lync 2013

Continuous-presence bridging with SIP, H.323, Microsoft RTVideo and Microsoft H.264 SVC

Infrastructure Support

External gatekeeper and SIP PBX conference registration

NAT/firewall traversal via LifeSize® UVC Transit™ Client/Server

NTP (Network Time Protocol) support

LifeSize Networker support via gatekeeper

LifeSize UVC Virtual Machine, Capacity, Hardware Configuration, Storage & Environmental Data

Please refer to the LifeSize UVC Platform datasheet for details.

Flexible Port Capacity*

Resolution	1080p **(ENT)**	720p	480p	360p
Flex Port (Consumption)	2 flex ports	1 flex port	1/2 flex port	1/4 flex port
Video Participants	1 video/audio	1 video/audio	2 video/audio	4 video/audio
Audio Participants	7 audio only	3 audio only	2 audio only	None

* Conferences consume flex ports rounded up to the nearest 1 flex port and are based on the conference resolution.

Video Performance

Bitrate	128 Kbps	256 Kbps	384 Kbps	512 Kbps	768 Kbps	896 Kbps	1.4 Mbps
Resolution	432x240	592x336	832x464	912x512	1136x640	1280x720	1920x1080 **(ENT)**

Virtualization Support

Microsoft® Hyper-V®

vmware READY

ENT: LifeSize UVC Multipoint Enterprise Edition (a feature-rich upgrade option)

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Delivering the Ultimate Communication Experience

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