Ultimate Flexibility in a Software-Based Bridge

LifeSize® UVC Multipoint™

Designed for ultimate flexibility and scale, LifeSize UVC Multipoint is a software-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 workforces—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, up to 1080p.

In addition, when LifeSize UVC Multipoint is configured with LifeSize® UVC ClearSea™*, a mobile calling solution, you can seamlessly invite multiple 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.

* Sold separately.

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
Microsoft Lync Interoperability	Join calls with Microsoft Lync 2010 and Lync 2013
Flexible Licensing	Scale as your needs grow

System Components

Delivered via LifeSize UVC Platform:

- Rack-mountable LifeSize UVC hardware options
- LifeSize UVC virtual machine software[1] (VMware® or Microsoft® Hyper-V®)

Based on security-hardened Linux® OS

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)

Microsoft H.264 SVC (Lync 2013)

Flexible Licensing

Ability to add capacity and extra audio ports

See License Use chart below for flex port utilization

Free trial: 8 flex ports

Video Performance

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

Shared encoder conferences: Two transcoders per conference—1080p, 720p, 480p, 360p

- Conferences set at 1080p & 720p: 1 encoder above 400 Kbps, 1 below 400 Kbps
- Conferences set at 480p and 360p: 1 encoder above 128 Kbps, 1 below 128 Kbps

Video bandwidth: 128 Kbps to 4 Mbps per port

Video resolutions: 1080p, 720p, 480p, 360p all at 30 frames per second; 360p increased capacity mode at 20 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

20 audio-only ports consume the same system resources as one 720p video caller

Presentation Standards & Protocols

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

H.239, BFCP (Binary Floor Control Protocol)

Data sharing supports standard video system resolution without affecting port capacity

Presentation embedded in main video window for mobile callers and Lync participants

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 (Dedicated Encoder conferences only)

18 continuous-presence layouts, voice-activated switching

Automatic speaker placement into prominent window

On-Screen Overlays

Text and icon overlays to indicate participant names, audio mute, video mute and encryption status

User and administrative preference to enable site names permanently for the duration of the conference

On-screen overlays are not available in 360p increased capacity mode

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 105 video participants in a single meeting (on LifeSize UVC 3380 hardware)

Automatically dial meeting participants

Scheduled conferences and on-demand virtual meeting rooms with optional size limits

System Management

Web-based configuration page within LifeSize UVC Platform dashboard

REST management API for third-party management

Management support—LifeSize® UVC Manager™

Multilingual web user interface (10 languages)

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

- Audio mute/unmute (entire conference or participant)
- Layout selection for entire conference or participant
- Adding participants via outbound dialing
- Termination (entire conference or single participant)
- Individual statistics reporting
- Drag and drop participants conference to conference
- Enable/disable conference and individual persistent site names
- 1 second video participant snapshots and camera control

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

Forward Error Correction (FEC) recovers video in packet loss environments

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

Register conferences to Lync 2010 and Lync 2013

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

Microsoft AVMCU cascading support

Infrastructure Support

External gatekeeper and SIP PBX conference registration

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

Simple NAT/firewall traversal with Static 1:1 NAT OR dual network IP addresses (LAN/WAN)

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 applications datasheet for details.

License Use*

Resolution	1080p	720p	480p
Flex Port (Consumption)	2 flex ports	1 flex port	1/2 flex port
Video Participants	1 video/audio	1 video/audio	2 video/audio
Audio Participants	7 audio only	3 audio only	2 audio only

* 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	1.7 Mbps
Resolution	432x240	512x288	832x464	912x512	1136x640	1280x720	1920x1080

Virtualization Support

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vmware® READY

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Delivering the Ultimate Communication Experience

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