



## DEPLOYMENT OPTIONS

- Rack-mountable Lifesize® UVC 1150 hardware
- Rack-mountable Lifesize® UVC 3350 hardware
- Rack-mountable Lifesize® UVC 3380 hardware
- Lifesize® UVC Platform™ virtual machine software

## LIFESIZE UVC VIRTUAL MACHINE SOFTWARE

Supported on VMware vSphere® Hypervisor (ESXi) 5.1 and higher (free up to 8 vCPUs) and Microsoft® Hyper-V® 2.0 and 3.0 (free up to 64 vCPUs)

- Network interfaces: 10/100/1000 Ethernet adapter
- Security-hardened Linux® OS
- Configurable by administrator

## VIRTUAL MACHINE CONFIGURATION

- HW processors: 2x Intel Xeon E5-2697v2, 2.7 GHz
- RAM: 32 GB DDR3 1600
- Disk space: 100 GB min
- Network: 1 Gbps min

## LIFESIZE UVC HARDWARE CONFIGURATION (1150/3350/3380)

- Dimensions: 17.2" W x 1.7" H x 25.6" D
- Intel i350 Dual Port Gigabit Ethernet (on board) 2 x RJ45
- Redundant hard drives, MD Raid 10 for fault tolerance
- Stores up to 2,600 hours for HD video (SATA 6 Gbps) at 768 Kbps (Lifesize® UVC Video Center™)
- Power: AC Voltage: 100V–240V 50/60 Hz, 7.5 Amps (Power=600 watts) [80 Plus Platinum Certified] (UVC 1150 only)
- Redundant Power (Hot Plug): AC Voltage: 100V–240V 50/60 Hz, 5-3.8 Amps (Power=700 watts) [80 Plus Gold Certified] (UVC 3350 and UVC 3380)

## ENVIRONMENTAL DATA (UVC 1150/3350/3380)

- Operating temperature: 5°C (41°F) to 35°C (95°F)
- Operating humidity: 8% to 90%, noncondensing
- Storage temperature: -40°C (-40°F) to 60°C (140°F)
- Storage humidity: 5% to 95%, noncondensing
- Weight: UVC 1150 HW: 11.97 kg (26.4 lbs), UVC 3350 and UVC 3380 HW: 13.34 kg (29.4 lbs)
- Sustained load = UVC 1150 HW: 85.2 watts (290.70 Btu/hr), UVC 3350 HW: 250 watts (853 Btu/hr), UVC 3380 HW: 397 watts (1354.56 Btu/hr)
- Idle = UVC 1150 HW: 66.2 watts (225.87 Btu/hr), UVC 3350 HW: 124.7 watts (425.48 Btu/hr), UVC 3380 HW: 133.5 watts (455.50 Btu/hr)

## AUTHENTICATION & AUTHORIZATION

- Supports corporate Active Directory/LDAP integration
- Local user management

## INTEGRATED WEB INTERFACE

- Integrated web UI for all Lifesize UVC applications
- Configure multiple applications on a single instance
- Multilingual web user interface—supports 10 languages: English, French, German, Italian, Japanese, Korean, Russian, Spanish, Simplified Chinese and Traditional Chinese (Lifesize® UVC ClearSea™ coming soon)
- Major web browsers supported (see release notes for details)

## SYSTEM MANAGEMENT

- Firmware update tool
- REST APIs support third-party integration (Lifesize UVC Video Center)
- Enable and disable Lifesize UVC applications from web interface
- Manage network configuration for all applications
- Web interface to monitor critical system parameters such as CPU, local disk and NAS availability and usage
- IPv6 support<sup>1</sup>
- Management support—Lifesize® UVC Manager™
- SNMP support (fault management)

## CAPACITY

- See the Applications Capacity Limits chart for details
- Capacity limits are for each application running independently on the indicated hardware/appliance
- Built-in capacity planner tool helps administrators plan and manage hardware resources

## INTEGRATED LICENSING

- Web-based license management for product activation
- Supports online and offline modes of license activation
- Add capacity to existing products

## FLEXIBLE LICENSING

- Ability to increase capacity
- Free trial: see the Applications Capacity Limits chart for details

## SECURITY

- HTTPS-based web access
- SSH access for diagnostics
- Supports static NAT deployment
- Ability to lock down services for maintenance activities
- Supports deployment in DMZ or private LAN

## VIRTUALIZATION SUPPORT

- Microsoft® Hyper-V®



<sup>1</sup> On Lifesize UVC Platform and Lifesize UVC Video Center

**APPLICATIONS CAPACITY LIMITS**

	<b>Lifesize UVC 1150 Hardware</b>	<b>Lifesize UVC 3350 Hardware</b>	<b>Lifesize UVC 3380 Hardware</b>	<b>Lifesize UVC Virtual Machine<sup>2</sup></b>	<b>Trial Mode (Virtual Machine)</b>
<b>Mobile Calling</b> Lifesize UVC ClearSea	130 concurrent calls (260 video ports) Unlimited client installs and user accounts 3,000 active registrations	180 concurrent calls (360 video ports) Unlimited client installs and user accounts 3,000 active registrations	260 concurrent calls (520 video ports) Unlimited client installs and user accounts 3,000 active registrations	<b>(6 vCPU on VMware ESXi; 5vCPU on Hyper-V)</b> 50 concurrent calls (100 video ports) Unlimited client installs and user accounts 3,000 active registrations	<b>(4 vCPU)</b> 5 concurrent calls (10 video ports) Unlimited client installs and user accounts 3,000 active registrations
<b>Multiparty Calling &amp; Call Control</b> Lifesize® UVC Multipoint™ <sup>3</sup>	Encoder-per-participant conferences: 7 flex ports • 3 1080p & 25 audio-only ports • 4 720p60 & 24 audio-only ports • 7 720p & 21 audio-only ports • 14 480p/360p & 14 audio-only ports • 21 360p & 7 audio-only ports (increased capacity mode)	Encoder-per-participant conferences: 20 flex ports • 10 1080p & 70 audio-only ports • 11 720p60 & 69 audio-only ports • 20 720p & 60 audio-only ports • 40 480p/360p & 40 audio-only ports • 60 360p & 20 audio-only ports (increased capacity mode)	Encoder-per-participant conferences: 35 flex ports • 17 1080p & 123 audio-only ports • 18 720p60 & 122 audio-only ports • 35 720p & 105 audio-only ports • 70 480p/360p & 70 audio-only ports • 105 360p & 35 audio-only ports (increased capacity mode)	<b>(48 vCPU on VMware ESXi)</b> Encoder-per-participant conferences: 35 flex ports • 17 1080p & 123 audio-only ports • 18 720p60 & 122 audio-only ports • 35 720p & 105 audio-only ports • 70 480p/360p & 70 audio-only ports • 105 360p & 35 audio-only ports (increased capacity mode) <b>(48vCPU on Hyper-V)</b> Encoder-per-participant conferences: 20 flex ports • 10 1080p & 70 audio-only ports • 20 720p30 & 60 audio-only ports • 40 480p & 40 audio-only ports	<b>(48vCPU on HyperV)</b> Encoder-per-participant conferences: 8 flex ports • 10 1080p30 • 20 720p30 • 40 480p30 <b>(11 vCPU on VMware ESXi; 19vCPU on HyperV)</b> Encoder-per-participant conferences: 8 flex ports • 4 1080p & 28 audio-only ports • 5 720p60 & 27 audio-only ports (13v CPU VMware ESXi only; 0 for HyperV) • 8 720p60 & 24 audio-only ports • 16 480p/360p & 16 audio-only ports • 24 360p & 8 audio-only ports (increased capacity mode)
<b>Streaming &amp; Recording</b> Lifesize UVC Video Center	20 HD recordings 2,000 HD live web streams (through NIC bonding) 350 on-demand streams 6 concurrent HD transcodings (SIP calls or mobile transcodes)	20 HD recordings 2,000 HD live web streams (through NIC bonding) 350 on-demand streams 15 concurrent HD transcodings (SIP calls or mobile transcodes)	20 HD recordings 2,000 HD live web streams (through NIC bonding) 350 on-demand streams 20 concurrent HD transcodings (SIP calls or mobile transcodes)	<b>(4 vCPU on VMware ESXi)</b> 20 HD recordings 1,000 HD live web streams 350 on-demand streams 4 concurrent HD transcodings (SIP calls or mobile transcodes) <b>(6 vCPU on Hyper-V)</b> 20 HD recordings 750 HD live web streams 350 on-demand streams 4 concurrent HD transcodings (SIP calls or mobile transcodes)	<b>(4 vCPU)</b> 5 HD recordings 250 HD live web streams 250 on-demand HD web streams 4 concurrent HD transcodings (SIP calls or mobile transcodes)
<b>Network Management</b> Lifesize UVC Manager <sup>4</sup>	100 seats	100 seats	100 seats	<b>(4 vCPU)</b> 100 seats	<b>(4 vCPU)</b> 20 seats

NOTE: Virtual machine configuration values are based on actual test results using a dual socket E5-2697v2 processor (Ivy Bridge), 32 GB RAM, with Hyper-threading enabled. Hyper-threading is required to achieve desired performance levels. Enabling Hyper-threading doubles the number of physical cores in both VMware ESXi and Microsoft Hyper-V and is represented as vCPUs. Both VMware and Microsoft license their virtualization technology based on the vCPU capacity. Performance results will vary with other configurations.

<sup>2</sup>Capacity tested on ESXi 5.1/5.5 and Hyper-V 2.0/3.0.

<sup>3</sup>Lifesize UVC Multipoint audio ports refer to G711U/G711μ/G711A. The maximum number of total audio/video participants in a single call is 128.

<sup>4</sup>Lifesize UVC Manager and Lifesize UVC Manager Proxy cannot be deployed on the same instance.

# Mobile Calling & Call Control

## Lifesize UVC ClearSea



### COMMUNICATION PROTOCOLS

H.323, SIP

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

Supports registration of H.323 and SIP devices

### VIDEO PERFORMANCE

Up to 720p30, up to 2 Mbps on desktop

### PRESENTATION STANDARDS & PROTOCOLS

H.239

### SECURITY

H.323/SIP encryption with AES

HTTPS secure management

### SYSTEM MANAGEMENT

Web-based configuration

Support for REST API

### CLUSTERING

Clustering for scalability, high availability and geographical distribution

Up to 4 nodes

### ADDITIONAL FEATURES

Unlimited user accounts

Unlimited guest invitations with invite-a-guest feature

Ring-all feature with up to 5 registered devices per user

Unified directory across mobiles, desktops and video systems

Multiparty call escalation through Lifesize UVC Multipoint (up to 5 UVC Multipoint per node)

Advanced call routing

Dual home support LAN & WAN

### CLIENT: WINDOWS® & MAC® OS X

#### VIDEO STANDARDS

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

#### VIDEO SPECIFICATIONS/ VIDEO RESOLUTIONS

Supports multiple resolutions up to 720p30—self-adapting depending on available CPU cores

#### AUDIO STANDARDS & FEATURES

G.722.1 Annex-C (Polycom® Siren14™), G.722.1 (Polycom® Siren7™, 16 KHz wide-band), G.711  $\mu$ -law, A-law

Full-duplex acoustic echo canceller with audio denoise filter

#### ADDITIONAL FEATURES

H.239 presentation (up to 1280x768), video sharing

Far-end camera control (H.224, H.281)

Call recording and streaming via SIP dial-out call to Lifesize® UVC Video Center™\*

Instant messaging and presence

Send in-band or out-of-band DTMF

Automatic bandwidth control, adaptive to network conditions

Adaptive low-latency packet-loss recovery

Supports asymmetric input/output bandwidths (e.g., ADSL)

#### MINIMUM SYSTEM REQUIREMENTS

– Mac OS X 10.8, 10.9 and 10.10

– Windows® 7, 8 and 8.1

– Intel Core i5 1.6 GHz or faster, 4 GB RAM

### CLIENT: MOBILE DEVICES

Address book, call history, privacy mode switch

Instant messaging and presence

Send DTMF in-band or out-of-band

H.224, H.281 (FECC)

H.239 presentation (receiving only)

#### VIDEO

H.264 decode HD 720p 30 fps on iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, iPhone® 5, iPad Air, iPad® with Retina display, HTC One S, HTC One X, Samsung Galaxy Tab 10.1, Google Nexus 10, Motorola Xoom

H.264 decode HD 720p 15 fps on iPhone® 4S, iPod Touch® 5th generation, iPad® 2, iPad® 3rd generation, iPad® Mini

H.264 decode qHD on select Android devices

H.264 encode/decode up to CIF resolution (352x288) 30 fps on select Android devices

H.263+ encode/decode up to CIF resolution (352x288) 30 fps on all other supported devices

#### AUDIO

G.711  $\mu$ -law, A-law

#### RECOMMENDED DEVICES

Lifesize Infrastructure supports the latest iOS and Android™ devices, making your video conferencing available on a broad range of tablets and smartphones.

#### Android™ (v4.0 or later)

– HTC: Sensation, Sensation 4G, One S, EVO 3D, One X, One (M8)

– Samsung: Galaxy S® II, Galaxy S® III, Galaxy S® 4, Galaxy S® 5, Galaxy Tab® 2 7", Galaxy Tab® 3 8", Galaxy Tab® 10.1, Galaxy Tab® Pro 10, Galaxy Note®, Galaxy Note® II, Galaxy Note® 3

– Google: Nexus S™, Galaxy Nexus, Nexus 5™, Nexus 7™, Nexus 10™

– Motorola: Xoom, Droid Bionic, Moto G™ (version 2)

– Amazon: Fire Phone, Kindle Fire HD 8.9

This list includes only the certified devices; other Android devices might work with Lifesize Infrastructure.

#### iOS (v7.0 or later)

– iPhone® 6, iPhone® 6 Plus, iPhone® 5s, iPhone® 5c, iPhone® 5, iPhone® 4S, iPhone® 4, iPad® Air, iPad® with Retina display, iPad® 3rd generation, iPad® 2, iPad® Mini with Retina display, iPad® Mini, iPod touch® 5th generation

#### Windows (v8.0 or later)

– Microsoft: Surface Pro

– All Intel®-based tablets running v8.0 or later

\*Requires Lifesize UVC Video Center, sold separately.

# Multiparty Calling

## Lifesize UVC Multipoint

### 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)

### 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 1080p30, 720p60 and 720p30: 1 encoder above 384 Kbps, 1 below 384 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: 720p at 60 frames per second; 1080p, 720p, 480p, 360p all at 30 frames per second; 360p increased capacity mode at 20 frames per second

Bitrate	Resolution
128 Kbps	432x240p30
256 Kbps	512x288p30
384 Kbps	832x464p30
512 Kbps	912x512p30
768 Kbps	1136x640p30
896 Kbps	1280x720p30
1152 Kbps	1280x720p60
1.7 Mbps	1920x1080p30

### 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  
 – Dragging and dropping participants conference to conference  
 – Enabling/disabling conference and individual persistent site names  
 – One-second video participant snapshots and camera control  
 – Far-end camera preset control

### SECURITY

PIN-protected conferences  
 H.235 AES and SRTP/TLS encryption  
 HTTPS secure management  
 Secure API access  
 TLS (encrypted calls)

### LICENSE USE\*

Resolution	Flex Port (Consumption)	Video Participants	Audio Participants
1080p30	2	1	7
720p60	1	1	3
720p30	1	1	3
480p30	1/2	2	2

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

### 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 Microsoft Lync 2010 and 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  
 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

### COMPATIBILITY

Record video and data from: Lifeseize® Icon™ Series, Lifeseize® 220™ Series with 4.6 or newer software, Lifeseize® Unity™ 50 with 4.10.2 or newer software, and non-Lifeseize video systems using SIP6

Playback on Windows-based, Linux-based and Mac computers, iOS devices

Major web browsers supported

IPv6 support

### SUPPORTED USES

Record/stream outside of a call, point-to-point or multipoint calls

Stream to mobile devices

Capture call participants with primary and secondary video

Single-button recording

On-the-fly transcoding to lower bitrate for live streaming

Archive, import up to 1080p30 HD videos

Embed videos into web pages

### RECORDING CAPABILITIES

Record audio, video and data

Dynamically capture video and data; no preconfiguration

Recording bitrate dynamically adjusts to network traffic

Capture near-end video, far-end video or both (applies to Lifeseize Icon and Lifeseize 220 Series video systems)

Auto-publishing support with a recording key

Recording indicator is visible only during the live call, not in recording (available for Lifeseize Icon and Lifeseize 220 Series video systems)

Recording key-based authorization

IVR for PIN entry during SIP-based recording

Supports audio- and data-only streaming

Supports BFCP for presentation streams in SIP-based recordings

Supports lost packet recovery for video streams

### API (APPLICATION PROGRAMMING INTERFACE)

Seamlessly integrate Lifeseize UVC Video Center with external systems using REST APIs

Authentication support and highly scalable

### REPORTING

Access reports to track viewing patterns

Download raw CSV data per video to build custom reports

Schedule reports

### STORAGE

Large internal storage for HD videos (1 TB in UVC appliance)

MD RAID 10

Further extend storage available for videos using network attached storage (NAS)—NFS and CIFS/SMB

### AUTO-PUBLISHING

Automatically attaches titles and tags recordings, files them to the proper channel, assigns access privileges and publishes videos to the web

### STREAMING CAPABILITIES

Supports up to 2,000 live 720p30 HD viewers

Streams up to 1080p30

Supports up to 350 on-demand 720p30 HD viewers

Live streaming—unicast and multicast

On-demand streaming (unicast)

Secure streaming support—RTMPS

Supports RTMP tunneling over port 80—RTMPT

Instantly available on-demand videos

Stream videos to iPad®/iPhone®/iPod® devices

Fixed layouts while streaming video and data to mobile devices

Static-streaming URLs

Dynamic user-controlled playback layout on PC and Mac: side-by-side, picture-in-picture, video focus, data focus

Automatic adaptive bitrate streaming for best user experience

Scalable streaming through NIC bonding

### VIDEO & AUDIO FORMAT

High Definition, 16:9 aspect ratio

H.264 video, AAC-LC and G.711 audio

### CHAT

Real-time text chat, scales to 1,000+ participants

### CLOSED CAPTIONS (CC)

Create or upload subtitles in multiple languages

PC, Mac and iOS players support CC text display

Search through subtitles

### CONTENT MANAGEMENT

Multilingual web user interface (10 languages)

Supports video metadata, comments and downloads

Edit thumbnails and attach files to video page

Advanced search

Add chapters to video timeline

Supports fixed URLs

### FEDERATION

Minimizes bandwidth utilization between sites for live videos

Easily share content across multiple distributed Lifeseize UVC Video Centers

Enables predictable bandwidth planning and scalable WAN streaming

Seamless to remote viewers

Monitor videos streamed to subscriber nodes

### MULTICASTING

Supports large-scale live streaming, one-time configuration

Admin-selected multicast layout option

### USER ACCESS CONTROL

Security-based profiles and permissions

Users see only videos they have privileges to access

Recording key prevents unauthorized recordings

### SYSTEM MANAGEMENT

Incremental FTP/NAS backup

Supports static NAT deployment under section "System Management"

Registers to SIP registrars to enable click-to-record

Allows admin to monitor or terminate ongoing recording and streaming session

Supports local and corporate LDAP directory users/groups

Supports offline transcodes

Factory reset

Full and partial restore facility

Management support—Lifeseize® Control™ and Lifeseize UVC Manager

### INTEGRATION WITH BLACKBOARD LEARN™

Integration with Blackboard Learn ver 9.1 or later

Allows viewing of live or on-demand videos from the Blackboard Learn web UI

Adheres to permissions defined on Blackboard Learn

### INTEGRATION WITH VBRICK®

Integration with VBrick Enterprise Media System (VEMS) v5.4 or later

### PERFORMANCE & CAPACITY (USING LIFESIZE UVC HARDWARE APPLIANCE)

Bitrate	Resolution	Concurrent Recordings <sup>†</sup>	Live Viewers <sup>††</sup>	On-Demand Viewers	Hours of Storage (on 1 TB disk)
768 Kbps	720p30	20	2,000	350	2,600
384 Kbps	480p30	40	4,000	400	5,200
270 Kbps	360p30	50+	5,000	450	7,800

Each of the above concurrent recordings/live viewers/on-demand viewers are independent numbers. Presentation stream was not part of the recorded stream. Data is based on Lifeseize internal testing, using Lifeseize 220s.

<sup>†</sup>Data presented requires 20 recording licenses or more. Under 20 licenses, concurrent recording and viewers are fixed at any bitrate.

<sup>††</sup>Through NIC bonding on Lifeseize UVC hardware and VMware.



# Network Management

## Lifesize UVC Manager

### COMPATIBILITY

Works with most Lifesize infrastructure products and supports tight integration with Lifesize video systems

(See release notes for details)

### WEB-BASED INTERFACE

All-in-one, easy-to-use, web-based interface for monitoring your video network

Dashboard home screen provides snapshots of the entire video infrastructure

Multilingual support (10 languages)

### VIDEO MANAGEMENT SUITE

Discover, manage and monitor video systems and infrastructure from Lifesize

Manages H.323, H.320 and SIP-based Lifesize systems

Supports large-scale scheduled and ad hoc upgrades of video systems

SNMP forwarding (fault management)

Add non-Lifesize devices as external devices so that these are available for call scheduling

HTTPS-based API support

### REAL-TIME ALARMS, FILTER & WORK FLOW

Monitors key events through SNMP traps—authentication failures, software upgrades, ad hoc calls and various other network activities of video systems

Enables notification of technicians via email

Allows creation of multiple logical networks; assign admin per network location

### SMART SCHEDULER

Support plugin-free integration with Microsoft

Exchange server 2010 SP1 and Microsoft® Exchange™ server 2007 SP3

Rich calendar interface to visualize video calls and upgrade schedules

Embed Lifesize UVC Manager's calendar into any web page

Use any calendar application on any device to schedule video calls

Simple web scheduler to easily set up video calls

Resolves capacity conflicts

Intelligent resource scheduling for bandwidth and quality optimization

Managed network video recorder is automatically picked based on network of video devices—provides easy-to-set-up recording/streaming session

Add video devices on the fly that need to be part of the call

Invite via IP, ISDN, e.164 or SIP addresses

MCU prefix support

Auto-selects MCU if needed for a video call

View free and busy schedules of all devices while scheduling calls or upgrades

Ability to change meeting host while scheduling a video call

### SYSTEM GROUPINGS & DIRECTORIES SERVICES

Assign video systems and infrastructure to logical groups for group-based management

Address book management

Standards-based H.350 user directory

Support for LDAP and Active Directory environments

### LIVE EVENTS MANAGER

Add participants, drop participants and terminate the call

Show call statistics for each system

View live snapshots of current conference

Mute on/off function

Enable/disable Do Not Disturb

Live packet loss and jitter monitoring

Monitor ongoing video calls and upgrades in a specific network

View details of completed calls/upgrades

### REPORTING

Prepackaged video network reports

Usage, inventory, diagnostic and reporting on call detail records (CDR)

Graphical and data reports by year, month, week and day

API access for call detail records

One-button export of data

Real-time reports generated from CDRs

Unlimited report subscriptions delivered to your inbox

### SECURITY

Secure access methods include SSL, SSH and SNMP

SMTP support for email alerts

Active Directory or LDAP authentication for admin account management

Supports gatekeeper registrations as part of device provisioning

HTTPS-based web access

Ability to lock down services for maintenance activities

Supports deployment in DMZ or private LAN

### LIFESIZE UVC MANAGER PROXY<sup>7</sup>

Free software that works with Lifesize UVC Manager server to allow seamless monitoring of video systems behind firewall/NAT boundaries

Makes Lifesize UVC Manager more scalable

Unlimited number of Lifesize UVC Manager proxies can connect to a single Lifesize UVC Manager server

<sup>7</sup>Lifesize UVC Manager and Lifesize UVC Manager Proxy cannot be deployed on the same instance

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