Release Notes

LifeSize Passport

Release: v4.8

For current product documentation, refer to lifesize.com/support. If you are using other LifeSize products with this release, read the latest release notes for those products for additional information.

New Features

Following are the major new features in this release. Numbers in parentheses are used for internal tracking.

- Skype video is now supported on LifeSize Passport. To place a Skype video call from LifeSize Passport, log in to Skype; select a Skype username from the LifeSize Passport directory; and press **OK**. (To display the Skype login screen on LifeSize Passport, press ; select **Skype**; and press **OK**.)
- FIPS 140-2 Level 1 security is now supported on LifeSize Passport through the LifeSize Cryptographic Security Kernel.
- The Siren 7 (G.722.1) audio codec, licensed from Polycom, is available in this release. When upgrading to a version that includes a new audio codec, your audio codec order is reset to defaults. If you have defined a custom audio codec order, ensure that you redefine the order after upgrading in **Administrator Preferences : Audio : Audio Codec Order**. (END-15922)
- LifeSize systems can now use TCP/BFCP to interoperate with Polycom SIP dual-video systems noted in the Interoperability section.
- Enhancements to support Microsoft OCS interoperability are included in this release. Refer to the *Using LifeSize Systems with Microsoft Office Communications Server and Microsoft Lync Server* technical note for more information.
- You can now hide the dominant speaker icon by disabling **Administrator Preferences : Calls : Dominant Speaker Icon**. (END-9834)
- With LifeSize Virtual Link installed on your laptop, LifeSize Passport can share IP-based presentation data during a call. Enable or disable network presentations in **Administrator Preferences : Communications : General : Network Presentations**. (END-14817)
- LifeSize Passport can stream local LifeSize Virtual Link content to LifeSize Video Center. From the LifeSize Passport main screen, press + to start the recording. Next, from LifeSize Virtual Link, start the presentation. (END-16764, END-15666, END-16750)

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- The option to specify H.323 or SIP voice dialing is available in this release. Enable this feature in **Administrator Preferences : Communications : General : Voice Dialing**. (END-15616)
- This release enhances Adaptive Motion Control (AMC) for LifeSize Passport. AMC minimizes video problems caused by minor packet loss and therefore improves video reproduction. For packet loss of 5% or less, this feature eliminates or greatly reduces video artifacts. AMC is enabled by default in **Administrator Preferences : Video : Video Quality: Adaptive Motion Control**. (END-16767)
- A new preference that allows you to send all signaling and media through the HTTP tunnel is available when using the H.323 communications protocol. Enable this feature in **Administrator Preferences : Communications : H.323 : H.323 Tunneling**. (END-16790)
- A new preference that allows you to adjust the camera's color temperature to favor red or blue is available in **Administrator Preferences : Diagnostics : High Definition Camera : Color Temperature**. The **Camera White Balance** setting must be a value other than *Auto*. (END-15503)
- The *Daylight Fluorescent* camera white balance value is now available in **Administrator Preferences : Diagnostics : High Definition Camera : HD Camera White Balance**. (END-14316)
- Managing user interface elements is supported in **Administrator Preferences : Appearance : General**.
  - **Hide IP Addresses**. (END-13991)
  - **Clear Last Number Dialed**. (END-13742)
- With **Telepresence** set to *Enabled*, you can hide all user interface elements during a call by enabling **Administrator Preferences : Telepresence : Hide User Interface**. (END-16245)
- A system's network hostname in **Administrator Preferences : Network : General : Hostname** registers an entry on the DNS server. (END-14614)
- You can now configure VISCA controlled cameras in **Administrator Preferences : System : Serial Ports** by setting **USB Serial Shell** to *VISCA* and **USB Serial VISCA Input** to the desired input.

CLI Enhancements

This release introduces the following enhancements to the command line interface (CLI). For complete command syntax, log in to your LifeSize system through an SSH or Telnet connection as the `auto` user and specify **–h** after the complete command: `<verb> <object> <target>`.

Verb	Object	Target	Argument or Option	Description
`get` `set`	`audio`	`active-mic-to-hdmi`	`{enabled|disabled}`	Directs the active microphone signal to HDMI. (END-15792)
`set`	`audio`	`active-mic`	`micin_noaec`	The `micin_noaec` argument has been deprecated. (END-15648)
`get` `set`	`call`	`dominant-speaker-icon`	`{on|off|enabled|disabled|true|false}`	Shows or hides the dominant speaker icon. (END-16303)
`get` `set`	`call`	`do-not-disturb`	`{on|off}`	Controls whether incoming calls are prevented from interrupting a call in progress. (END-15647)
`get` `set`	`camera`	`grgb-offset`	`{-1.0..1.0}`	Sets the specified camera's color temperature to favor green or blue. The camera's white balance setting must be a value other than `auto`. (END-15789)
`get` `set`	`camera`	`white-balance`	`daylight-fluorescent`	Specifies a new color correction mode. (END-14316)

Verb	Object	Target	Argument or Option	Description
get set	slserverip		*syslog-server-ip*	Specifies the syslog server IP address. (END-16608)
get set	system	showing-statistics	{show|hide}	Shows or hides call statistics. (END-9875)
get set	system	network-presentation	{on|off}	Enables or disables network presentations through LifeSize Virtual Link. (END-16280)
get set	system	fips	{enabled|disabled}	Enables or disables FIPS 140-2 security at the next reboot. (END-16233)
get set	video	primary-input	-s	With telepresence enabled, primary display input (instead of the background) appears on the primary display when not in a call. (END-16247)

Resolved Issues

Following are the major resolved issues in this release. Numbers in parentheses are used for internal tracking.

- LifeSize Camera 200 using a firewire cable can now upgrade in the background when attached to LifeSize video communications systems. In previous releases this was an issue if the software on the camera was older than the software on the LifeSize system. (END-16275)
- The **Primary Audio Output Test** preference has been removed from the web administration interface. (END-11029)
- In previous releases, enabling a VLAN caused the system to reboot and the network connection to be reported as 10 Mb/s half-duplex through the user interface, the automation command line interface, and the web administration interface, even though it auto-negotiated at 100 Mb/s full-duplex. This issue has been resolved in this release. (END-13467)
- In previous releases, after placing a call from a LifeSize system to the Microsoft OCS client on hold (using the hold button in the OCS client) and then resuming the call, audio and video froze. This issue has been resolved in this release. (END-10850)
- When adding a new directory entry in the web administration interface, you are now able to enter IPv4 and IPv6 addresses, hostnames, and the **#** and ***** characters in the **Video Number**, **Voice Number**, and **IP Address** fields. (END-17121)
- Enabling telnet through the user interface, the web administration interface, or the automation command line interface is now successful. (END-13501)

Known Issues

Following are known issues and their workarounds, if available. Numbers in parentheses are used for internal tracking.

Video

- It may take an average of seven seconds to receive far end video after connection is established. (END-15798)

Audio

- LifeSize Passport can support one video and one audio call at the same time. However, if the third call is a video call, LifeSize Passport does not convert it to an audio call and instead rejects it. **Workaround:** Redial the call as an audio call. (END-15991)
- For audio only calls, dialing an IP address is successful despite voice dialing set to ISDN. (END-9307)

Network

- If your network does not support IPv6 auto configuration and you set the **IPv6** preference to *Enabled* and the **IPv6 Configuration** preference to *Auto* in **Administrator Preferences : Network : General**, upon reboot, the system fails to complete the initialization process. Use the reset button on the back of the codec to restore the system configuration to default values. Refer to the *LifeSize Passport User and Administrator Guide* for more information about using the reset button. (END-13225)
- An H.460 call fails if the LifeSize system does not have a valid hostname. Ensure that a valid hostname is configured for the **Hostname** preference in **Administrator Preferences : Network : General**. (END-9642)

Command Line Interface

- Adaptive motion control cannot be enabled or disabled through the command line interface. **Workaround**: Configure this feature in **Administrator Preferences : Video : Video Quality**. (END-17406)
- `snmp contact` and `snmp location` are not set by default. **Workaround**: Use `set` to specify values for `snmp contact` and `snmp location`. (END-17098)
- `Error 02, file error` is returned in the automation command line interface if you use set `camera position -P` to a preset that has not been set. The proper error code is `0d, No data available`. (END-16273)
- The USB serial port can become unresponsive to the automation command line interface. **Workaround:** Remove the USB serial adapter and attach it again to restore responsiveness. (END-15916)

Presentation

- When streaming a local presentation from LifeSize Passport (through LifeSize Virtual Link) to LifeSize Video Center, audio is not synchronized with presentation video. (END-16988)

User Interface

- No matter how they are originated, calls are not terminated when you click the **hang up all** button in the web administration interface **Call Manager**. Use the remote control or the automation command line interface to terminate the call, or click the **hang up** button to terminate the call. (END-13377)
- With **Administrator Preferences : Telepresence : Hide User Interface** enabled, the confirmation dialog box to start a Virtual Link presentation is also hidden. **Workaround**: Press **OK** on the remote control a few seconds after starting the presentation. (END-17067)

Communications

- With **SIP Signaling** set to *TLS* in **Administrator Preferences : Communications : SIP**, you must register with the SIP registrar for SIP calls to be successful. (END-17518)
- The **Register** button in **Administrator Preferences : Communications : SIP** is available to re-register the system in the event SIP registration fails only after you make a change to a SIP preference. To re-register the system, do the following:
  1. Choose *Disabled* for the **SIP Registrar** preference.
  2. Navigate to the **Register** button and press **OK** on the remote control.
  3. Return to the **SIP Registrar** preference and choose *Enabled*.
  4. Return to the **Register** button and press **OK** on the remote control. (END-9001)
- Calls between LifeSize Passport systems using the H.460 protocol can experience intermittent video corruption. (END-13207)

Upgrade

- Because software upgrades require the system to communicate with the license server to perform a license check, DNS resolution must be enabled either through DHCP or by specifying **DNS Servers** in **Administrator Preferences : Network : General**. If you disable DHCP, you must set **DNS Servers** and specify the IP address, subnet mask, and gateway to facilitate software upgrades. (END-14192)
- Using the Safari browser on a Mac to upgrade system software may result in a certificate error. (END-15551)

Product Limitations

Following are known limitations with this LifeSize software version. Numbers in parentheses are used for internal tracking.

Video

- Virtual multiway is not supported on LifeSize Passport in this release. (END-12786)
- Digital zoom is not supported on LifeSize Passport in this release. (END-9474)

Skype

- LifeSize Passport supports Skype video at a resolution of 640x480 at 30 f/s at an approximate bit rate of 512 kb/s.
- In a two-way Skype call between two LifeSize Passports, bandwidth is limited to 512 kb/s. (END-15777)
- Audio is not synchronized with video in a two-way call between a wireless Skype client and LifeSize Passport. (END-16998)
- In a two-way Skype call between LifeSize Passport and a Skype client, video may freeze. (END-16999)

Network

- When placing a call from a system behind a firewall (or without a static NAT configuration in the firewall) the call may complete, and camera control from the system behind the firewall (the private system) to the system on the public internet (the public system) will work, but FECC from the public system to the private system will not work, or may work intermittently. LifeSize recommends deploying LifeSize Transit for this configuration. (END-12129)
- LifeSize Networker is not supported with LifeSize Passport in this release. (END-12815)

Recording and Streaming

- Although LifeSize Video Center can generate 10-digit recording keys, LifeSize Passport cannot accept them and instead produces an error message. **Workaround:** Limit your recording keys to 9 digits. (END-15471)

User Interface

- Calls placed from the **Call Manager** in the web administration interface always appear on the **Redial** list with *Auto* as the bandwidth and protocol, regardless of the actual bandwidth and protocol specified when the call was first placed. (END-6497)
- In calls with systems using IPv6 addresses, call statistics incorrectly show zero as the value of the packet loss for transmitted video. (END-6127)
- LifeSize Passport cannot display the dominant talker icon in a call with an MCU hosting several participants. (END-12108)
- Because LifeSize Passport does not support JPEG snapshots, the **Call Manager** in the LifeSize Passport web administration interface cannot display an image from a LifeSize Passport camera, whether it is the system's own camera while idle, or the camera of a far end LifeSize Passport in a call. (END-12350)

Interoperability

LifeSize video communications systems with this software release are supported with the following devices.

Supplier	Products
Avaya	SIP Enablement Services: 5.1.x Communication Manager: 6.1.x 1-X Communicator: 6.1.x
Asterisk	Asterisk: 1.4.22.1
Browser support	Microsoft Internet Explorer v7, v8 Apple Safari for Mac v4.0.4 Adobe Flash Player v9, v10
Cisco	IOS GK: v12.4(17a) ASA 5510 Firewall: v8.0(4) UCM: v7.13.10000-11e
Codian	MCU 4220: 4.1(1.59) MCU 4505: 4.1(1.59)
LifeSize	Bridge 2200: 1.0.1 Control: 5.1.0 Desktop: 2.0 Gatekeeper: 5.7, 7.1 Multipoint: 5.7 Multipoint Extension: 5.7, 7.1 Multipoint 230: 7.1 Phone: 4.5.2 Transit: 3.0.1 Virtual Link: 1.0.0 Video Center 1.0.1, 1.2
Microsoft	Office Communications Server 2007: 3.5.6907.0 (R2) Office Communicator 2007: 3.5.6907.206 (R2)
sipX	sipXecs: 4.2.1
Skype	Voice calls: 4.1.0.141 Skyhost: 1.10.293
Sony	PCS XG-80 2.14
Polycom	HDX Series: 3.0.0 (support for BFCP) RMX: 7.0.2 VSX 8000: 9.0.6
Tandberg	Edge 95 MXP: F9.0.2 C Series: TC4.0.1 VCS: X5.1.1

Interoperability Limitations

Following are the known limitations with third party products. Numbers in parentheses are used for internal tracking.

General

- A presentation sent by a far end participant in a multiway video call with a LifeSize system as the MCU appears as black video if one of the devices in the call is configured to accept H.261 video only. To avoid this problem, LifeSize recommends using default configuration settings for video codecs for all devices in the call. (END-11372)

- Enabling static NAT on a LifeSize system and then placing a call through a router with an application-level gateway or protocol fixup that modifies call control traffic may result in no video and/or audio at either the near end or far end of the call. Depending on the router, disabling static NAT on the LifeSize system may resolve this issue. LifeSize recommends disabling fixup on the router. (END-6920)

Cisco

- SIP dual video is not available in SIP calls between LifeSize video communications systems connected through Cisco Unified Communications Manager. (END-10870)
- H.239 may not work through your CISCO PIX or ASA (Adaptive Security Appliance) firewall/ASA device. The Cisco fixup protocol did not recognize H.239 and terminated a call if it attempted to open an H.239 stream. **Workaround**: Upgrade to ASA v8.2.1 or later. (END-1611)

Codian

- In a multiway call hosted by a Codian 4220, the MCU first uses the H.263+ protocol and then switches to H.264. The frame rate remains at 15 f/s for the duration of the call. **Workaround**: Disable H.263 and H.263+ on the Codian 4220 MCU. (END-17361)
- In a multiway call with a Codian MCU, video and text that appear in the display may appear cropped on the bottom or sides of the image. **Workaround:** Add the LifeSize system to the directory on the Codian MCU and adjust the border size to 2 or 3 depending on your display. You can adjust the border size from the LifeSize system during a call using far end camera control. With the far end camera of the Codian MCU selected, press the zoom out key on the remote control, ensure that **Border width** is selected and then press the right arrow key to change the border width. (END-9248)
- When creating a dial-out conference on the Codian MCU, the first two systems connect without issues, but any participant after that is reduced to 256k. (END-12277)

Microsoft OCS

- In a five-way call with a presentation through Microsoft OCS, video is distorted on all systems. (END-17115)

Polycom

- Presentations are not supported in SIP calls over TLS between Polycom and LifeSize systems. (END-16874)
- Distorted video appears on LifeSize systems in a multiway 384 kb/s call hosted by Polycom RMX. (END-17162, END-17163)
- A participant on a LifeSize system joining a call in progress that is hosted by Polycom RMX is unable to see an ongoing presentation. **Workaround**: Add all call participants before starting the presentation. (END-17243)
- When a LifeSize system dials the E.164 address for a Polycom system through a gatekeeper, the audio may be distorted because of a byte swap issue on G722.1C codecs. **Workaround**: Contact Technical Services to override the byte swap. Note that with this fix enabled, you may experience distorted audio on previously functioning G722.1C codecs. (END-13752)
- In a two-way call between LifeSize Passport and Polycom HDX 8000, the bottom portion of the presentation video sent from the Polycom system appears blurred on LifeSize Passport. (END-15311)

Tandberg

- Audio is not synchronized with video in a call to Tandberg Edge 95 MXP, or in a call to Tandberg MXP 1700. (END-17099, END-14795)
- Tandberg Edge 95 systems receive a maximum resolution of 720x400 in calls with LifeSize systems. (END-12440, END-15849)

Contacting Technical Services

LifeSize Communications welcomes comments about our products and services. Send feedback about this or any LifeSize product to feedback@lifesize.com. Refer to lifesize.com/support for additional ways to contact LifeSize Technical Services.