Release Notes

LifeSize Passport

Release: v4.7.0

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Product Documentation

For the most current version of product documentation, refer to www.lifesize.com/support. If you are using LifeSize Video Center or LifeSize Virtual Link with this release, please ensure that you read the release notes for those products for additional information.

Web Browser and Flash Player Support

The LifeSize web administration interface is supported in this release with the Adobe Flash Player v9 and v10 and the following web browsers:

- Microsoft Internet Explorer for Windows, v7 and v8
- Apple Safari for Mac v4.0.4

New Features and Resolved Issues

Following are the major new features and resolved issues in this release. Refer to your LifeSize product documentation for more information about using the product. Numbers in parentheses following a summary are used for internal tracking purposes only.

Feature	Description
New Features and Enhancements:	
LifeSize Passport supports live streaming and recording to LifeSize Video Center.	LifeSize Passport supports live streaming and recording to LifeSize Video Center. Refer to *"Creating a Recording"* on page 10 for instructions. Refer to the *LifeSize Video Center Administrator Guide* for information about configuring LifeSize Passport to record. For more information about LifeSize Video Center, refer to related documentation at www.lifesize.com/support.

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Feature	Description
Expanded Skype support.	Silk audio codecs are supported, and are automatically negotiated for Skype calls. (The Silk codecs do not appear in the audio codec list). New user interface and automation command line interface preferences are available: • Enable/disable auto log out. • Controlling from whom you accept calls.
Support for sending presentations with LifeSize Virtual Link. (END-15605, END-15802, END-15785))	In this release you can share desktop presentations from your LifeSize Passport using LifeSize Virtual Link. Virtual Link supports H.264 and H.263. However, the minimum call bandwidth supported for H. 263 presentation is 512 kb/s, and minimum presentation bandwidth is 256kb/s. SIP presentation is only available between LifeSize systems. Presentation may not work on third-party systems that try to renegotiate the presentation stream. Refer to the *LifeSize Virtual Link Installation Guide* for more information.
Support for multiway calling. (END-14321)	LifeSize Passport now supports one video call and one audio call or two audio calls at the same time.
Support for total bandwidth usage limits. (END-15737, END-15659, END-15658)	This release includes **Outgoing Total Bandwidth** and **Incoming Total Bandwidth** options for the preference **Administrator Preferences : Calls** to limit the total incoming and outgoing bandwidth for all calls from a LifeSize system. This is also supported via the automation command line interface.
Gatekeeper authentication support. (END-15660)	H.235 authentication for gatekeeper registration is supported in this release. The options **Gatekeeper Authentication**, **Gatekeeper Username** and **Gatekeeper Password** are now included with the **Administrator Preferences : Communications : H.323**. This is also supported via the automation command line interface.
Support for admission control preference. (END-10327)	This release includes a preference to enable and disable admission control for LifeSize Passport. Admission control rejects calls to multiway capable systems under a heavy call load. Navigate to **Administrator Preferences : Calls : Admission Control** to configure this preference.
Option to horizontally flip video added. (END-14166)	This release includes an option in the automation command line interface to horizontally flip the camera image. Refer to the `hflip` object in the *LifeSize Passport Automation Command Line Interface* manual for more information.
USB port supported. (END-15232, 15211)	Support for the USB port on LifeSize Passport has been included in the automation command line interface of this release. You can use the following USB to serial adapters to allow remote control management of LifeSize video communications devices: • Keyspan USA-19 • Sewell AP1102 • StarTech ICUSB232 Refer to the `serial` object in the *LifeSize Passport Automation Command Line Interface* manual for more information about configuring these devices.
Preferences included to hide access to all directories, including the Corporate and Meetings directories. (END-14232)	In this release, you can disable access to the corporate and meeting directories. Navigate to **Administrator Preferences : Directory : General** to configure these preferences.

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Feature	Description
New audio output option in user interface and automation command line interface. (END-14059, END-14289)	This release includes a new audio output option, *HD Out*, in the **Administrator Preferences : Audio : Video Call Audio Output** and **Audio Call Audio Output** preferences. *HD Out* selects the monitor as the audio output device and is the new default for **Video Call Audio Output** on systems that have HD out. The audio output commands in the automation command line interface also include this option. Refer to the *LifeSize Passport Automation Command Line Interface* manual for details.
H.241 MaxStaticMBPS preference removed. (END-15144)	The **Administrator Preferences : Video : Video Quality : H.241 MaxStaticMBPS** preference has been removed.
LifeSize Networker options removed. (END-15956)	LifeSize Passport does not work with LifeSize Networker. The option **Administrator Preferences : Communications: General : LifeSize Networker IP Address** has been removed in this release. The automation command line interface target `get/set system isdn` has also been deprecated in this release.
Remote control removed from web administration interface. (END-15269)	The virtual remote control in the web administration interface has been removed in this release.
Resolved Issues:	
Security vulnerabilities. (END-14014, END-15978)	This release includes updates to PHP 5.3.2 and addresses `Apache HTTP Server 413 HTTP Request` vulnerability.
LifeSize Passport failed to complete reboot when reset button was pressed. (END-14346)	If you released the reset button when the LED turned solid blue, the system did not stop and instead rebooted and froze on the small splash screen. In this release, the system reboots without changes to the configuration if you release the reset button when the LED turns solid blue.
Audio problem with LifeSize MicPod. (END-15489, 13556)	When LifeSize MicPod was the active microphone, audio cut in and out. This is resolved in this release.
LifeSize Passport did not work with Tandberg MPS 200. (END-15652, END-14912)	LifeSize Passport froze when in a call with Tandberg MPS 200. This issue is resolved in this release.
Video froze when presentation was stopped on Polycom HDX 9004. (END-13447)	When the presentation from a Polycom HDX 9004 stopped, LifeSize Passport showed the last frame of the presentation instead of reverting to video. This issue is resolved in this release.
LifeSize Camera auto exposure did not behave correctly. (END-9329)	The auto exposure on LifeSize Camera did not behave consistently. The image became dark or bright any time the camera moved or an object in front of the camera moved. This is resolved in this release.

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Known Issues and Workarounds

The following table lists known issues and their solutions or workarounds, if available. Numbers in parentheses following an issue are used for internal tracking purposes only.

Issue/Problem	Description/Workaround
Video Issues	
Far end video connection time. (END-15798)	It may take an average of seven seconds to receive far end video after connection is established.
Audio Issues	
Third video call to LifeSize Passport not converted to audio call. (END-15991)	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 and instead rejects it. **Workaround:** Redial the call as an audio call.
Voice dialing with IP address is successful even if voice dialing is set to ISDN. (END-9307)	For audio only calls, dialing an IP address is successful despite voice dialing set to ISDN.
Network Issues	
Missing or invalid hostname causes H.460 calls to fail. (END-9642)	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**.
LifeSize Passport fails to finish initializing when IPv6 is enabled and set to auto configuration on a network that does not support IPv6 (END-13225)	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, LifeSize Passport will hang during initialization. Use the reset button on the back of the codec to restore factory defaults. Refer to the *LifeSize Passport User Guide* for more information.
VLAN network connection reported as 10Mb/s, half-duplex, even though it actually auto-negotiated at 100Mb/s, full-duplex. (END-13467)	If you enable a VLAN, the system will reboot and the network connection will 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 actually auto-negotiated at 100 Mb/s full-duplex.
Using telnet does not work after the option is enabled. (END-13501)	After you enable telnet through the user interface, the web administration interface, or the automated command line interface, it does not work. Reboot the LifeSize system after enabling the telnet preference for it to work.
Command Line Interface Issues	
Serial port becomes unresponsive. (END-15916)	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.

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User Interface Issues	
Primary Audio Output Test preference is not sending test tones from the web administration interface. (END-11029)	The **Primary Audio Output Test** preference in the web administration interface does not send test tones to the LifeSize system. **Workaround:** Enable the preference from the user interface for the system.
The hang up button in the web administration interface call manager does not terminate calls. (END-13377)	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.
Restoring system configurations across models or software versions produces unexpected results.	Configuration preferences and options vary across LifeSize system software releases. Restoring a system configuration using a file saved from a different model or software release may produce unexpected results. LifeSize recommends that you restore a configuration that was saved from the same system or the same system model and software release**.**
Communications Issues	
The **Register** button is available to re-register a system with the SIP server only after changing a SIP preference. (END-9001)	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.
H.460 calls between LifeSize Passport systems experience video corruption. (END-13207)	Calls between LifeSize Passport systems using the H.460 protocol can experience intermittent video corruption.

Product Limitations

The following table lists known limitations with this LifeSize product. Numbers in parentheses following an issue are used for internal tracking purposes only.

Feature	Support or Limitation
Video Limitations	
Virtual Multiway not supported on LifeSize Passport. (END-12786)	Virtual Multiway is not supported on LifeSize Passport in this release.
Digital zoom is unsupported. (END-9474)	Digital zoom is not supported on LifeSize Passport in this release.
Skype Limitations	
Skype video is unsupported.	Skype video is unsupported in this release. If you attempt to place a Skype video call it will connect as audio only.
Skype calls on LifeSize Passport limited to 512K. (END-15777)	In a two-way Skype call between two LifeSize Passports, bandwidth is limited to 512K.

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Network Limitations	
Far end camera control from a public to private device is unsupported. (END-12129)	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 servers for this configuration.
LifeSize Networker is unsupported. (END-12815)	LifeSize Networker is not supported with LifeSize Passport in this release.
Recording/Streaming Limitations	
Ten-digit recording keys from LifeSize Video Center not accepted by LifeSize Passport. (END-15471)	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.
User Interface Limitations	
Calls placed from the web administration interface Call Manager always appear in the Redial list with auto as the bandwidth and protocol. (END-6497)	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.
Call statistics show incorrect value for packet loss of transmitted video in IPv6 calls. (END-6127)	In calls with systems using IPv6 addresses, call statistics incorrectly show zero as the value of the packet loss for transmitted video.
Dominant talker icon not displayed in multiway call. (END-12108)	LifeSize Passport cannot display the dominant talker icon in a call with an MCU hosting several participants.
The Call Manager in the LifeSize Passport web administration interface cannot display an image from a LifeSize Passport camera. (END-12350)	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.

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Interoperability

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

Supplier	Products
Avaya	SIP Enablement Services: v5.1.x Communication Manager: v5.1.x
Cisco	Unified Communications Manager: 7.0.2.20000-5.
Codian	MCU 4220: 2.4(1.20) MCU 4505: 3.1(2.13)
LifeSize	Multipoint: 5.7 Multipoint 230: 7.1 Multipoint Extension: 5.7, 7.1 Gatekeeper: 5.7, 7.1 Phone: 4.5.2 Transit: 2.1 Control: 4.6 Desktop 1.0.3 Video Communications Systems: 4.5.6, 4.6, 4.7 Video Center: 1.0.1 Virtual Link: 1.0
Skype	Voice calls: 4.1.0.141 Skyhost: 1.10.293
Polycom	HDX 9002: 2.6.0 HDX 9004: 2.6.0 HDX 4000: 2.6.0
Tandberg	EDGE: F8.0

Interoperability Limitations

The following table lists known limitations with third party products. Numbers in parentheses following an issue are used for internal tracking purposes only.

Feature	Limitation
General Third Party Issues:	
Presentation from far end participant appears as black video when sent to LifeSize system as MCU and one far end participant accepts H.261 video only. (END-11372)	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.
Video issues in calls when static NAT enabled on LifeSize systems and calls placed through routers with application-level gateways. (END-6920)	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.

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Feature	Limitation
Cisco:	
SIP dual video not available in SIP calls through Cisco Unified Communications Manager. (END-10870)	SIP dual video is not available in SIP calls between LifeSize video communications systems connected through Cisco Unified Communications Manager.
H.239 may not work through your CISCO PIX or ASA (Adaptive Security Appliance) firewall/ASA device. (END-1611)	The Cisco fixup protocol did not recognize H.239 and terminated a call if it attempted to open an H.239 stream. Upgrade to ASA v8.2.1 or later to eliminate this issue.
Codian:	
Video and text is cropped on bottom or sides in multiway call with Codian MCU 4505. (END-9248)	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. To work around this issue, 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.
When more than two LifeSize systems join a call with a Codian MCU, all participants past the first two are reduced to 256k. (END-12277)	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.
Tandberg:	
Audio out of sync with video on both sides in point to point call with Tandberg Edge 95 MXP. (END-14795) (END-13401)	In a call with Tandberg Edge 95 MXP, the audio goes out of sync with the video. Contact Tandberg technical support for help with this issue. (Is this the same as 13401?)
Maximum resolution of 720x400 sent to Tandberg Edge 95 systems. (END-12440, END-15849)	Tandberg Edge 95 systems receive a maximum resolution of 720x400 in calls with LifeSize systems.

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Documentation Errata

The following table lists known issues in the technical documentation available in this release and software release v4.0.

Erratum Summary	Description
LifeSize Passport User Guide:	
No audio volume meters in calls.	The section *Managing Audio* includes the following statement: *When the user interface is visible during a call, a volume meter for the active microphone appears in the near video image next to the dominant speaker icon.* In this release, no volume meter is displayed in a call.
No support for Microsoft Office Communications Server 2007 Standard Edition.	The section *Configure SIP Settings* in the *LifeSize Passport User Guide* includes the following statement: *If you are planning on placing and receiving calls on LifeSize Passport with Microsoft Office Communications Server, LifeSize recommends that administrators choose Microsoft OCS for* ***SIP Server Type*** *in* ***Administrator Preferences : Communications : SIP.*** This release does not support Microsoft OCS 2007.
Rebooting your system when it is not responsive to the remote control.	The section *Power and Connectivity Issues* in the *LifeSize Passport User Guide* includes the following: *You may need to reboot a system that is not responding to commands from the remote control. To reboot the system, access* ***User Preferences : Diagnostics : System Reboot****.* If your system is not responding to your remote control, use the reset button on the back of the codec to reboot.
802.1X Authentication preference.	Before you enable the **802.1x Authentication** preference in **Administrator Preferences : Network :General**, you must configure 802.1X through the automation command line interface. Refer to the *LifeSize Passport Command Line Interface* guide for more information.

Technical Services

LifeSize Communications welcomes your comments regarding our products and services. If you have feedback about this or any LifeSize product, please send it to feedback@lifesize.com. Refer to http://www.lifesize.com/support for additional ways to contact LifeSize Technical Services.

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Creating a Recording

Software release v4.7.0 includes support for recording and streaming on LifeSize Passport while the system is not in a call.

The recording and streaming preferences must be enabled on your LifeSize Passport to record. Refer to the *LifeSize Video Center Administrator Guide* for information about setting these preferences.

Recording While Not in a Call

To record while not in a call, complete the following steps:

1. From the main screen, press the button on the remote control.
2. Press the button on the remote control to start recording.
3. If prompted, enter a valid recording key.

If successful, the recording begins and the recording indicator appears. To end the recording, press the button on the remote control.

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