Release Notes

LifeSize Video Communications Systems

Release: v4.2.5

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Product Documentation

The following documentation is available in this release. For the most current version of product documentation, refer to the Support page of www.lifesize.com.

- Installation Guides
- Administrator Guide
- User Guide
- LifeSize Automation Command Line Interface
- Quick Reference Card
- Supporting licensing, attributions, and regulatory documents
- Technical Notes and supporting Technical Services documents

Prerequisites

If you are upgrading an existing LifeSize system, or if you need to downgrade after upgrading to this release, ensure that you meet the following prerequisites before performing the upgrade or downgrade.

Upgrading from a Previous Release

If you are upgrading from an existing release, ensure that all LifeSize cameras and adapters you intend to use are connected to your LifeSize system before you perform the upgrade. Cameras and adapters not connected before you perform the upgrade do not function properly if connected to the system after the upgrade.

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If you are upgrading from a release earlier than v4.0.0, you must upgrade to v4.0.0 before upgrading to this release. Software release v4.0.0 implements upgrade license keys to ensure that a current maintenance agreement is in effect when upgrading the software on a LifeSize video communications system. If you are upgrading from software release v4.0.0 or later, ensure that a current license key exists on the system before performing the upgrade. The expiration date for the license key appears on the **System Information** page in **Upgrade License**.

Audio levels for the active microphone volume and line in volume preferences are recalibrated in this release (v4.1.1). If you are upgrading from a previous release, LifeSize recommends that you check these levels after performing the upgrade.

Downgrading from this Release

If you downgrade from this release, ensure that all LifeSize cameras and adapters that were connected to your LifeSize system during the upgrade to this release are connected to your LifeSize system before you perform the downgrade.

To view and access all options in the web interface after upgrading or downgrading a LifeSize system, close your web browser, clear the browser cache, and then reopen your web browser.

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
Resolved Issues:	
SIP call failed with LifeSize Transit Server. (END-12425)	SIP calls fail between a LifeSize system and LifeSize MCU through the LifeSize Transit server. This problem has been corrected in this release. LifeSize Transit users should upgrade to LifeSize software release v4.2.5 prior to installing LifeSize Transit v2.1.1.
Presentation fails for remote party in a two way call with Transit Server and direct media mode. (END-12502)	In a call with two devices registered with LifeSize Transit Server behind a firewall, the remote end is unable to display presentation in direct media mode. This problem no longer occurs in this release, as the RTC port range start has changed. The default port range for the UDP traffic from the LifeSize Transit Server to RTC is now (H.323) RTP/Media 60000-60799 instead of (H.323) RTP/Media 44100-44899. Refer to the LifeSize Technical Note "Configuring Ports for LifeSize Transit" for additional guidelines.
IPv6 call failures (END-12587)	This release corrects IPv6 calling behaviors that caused call failures in previous releases.
PHP 5.2.10 support (END-12580)	This release includes support for PHP 5.2.10.

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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
On LifeSize Express, a small strip appears at the bottom of the video when call speed is 128k to 320k. (END-8353)	When two LifeSize Express systems call each other at 128 kb/s and the monitor is set to full screen, video from the far side appears with a line at the bottom. This issue only occurs when LifeSize Express receives a low resolution video.
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 being set to ISDN. Even if voice calls are set to pulse, you can place an IP H.323 voice call.
LifeSize Camera Only: Auto exposure not behaving correctly. (END-9329)	The auto exposure on LifeSize Camera may not behave consistently. The image can become dark and bright any time the camera is moved or an object in front of the camera moves. LifeSize Camera 200 does not exhibit this behavior.
LifeSize Phone displays Diagnostics page after setting DND. (END-9939)	When setting the system to **Do Not Disturb**, LifeSize Phone displays the Diagnostics screen after approximately 90-120 seconds and the only action you can take is to reboot. **Workaround:** To work around this issue, use the remote control to cancel **Do Not Disturb**.
Blue and green lines display in a 128kb/s call. (END-10451)	Blue and green vertical lines display at the side of screen in 128kb/s IP call. **Workaround:** To work around this issue, connect at 192kb/s or greater.
LifeSize Room in sleep state does not wake when called from CLI. (END-10581)	A LifeSize Room in sleep state was called using the command line interface and the connected phone rang but the system remained asleep. Pressing a key on the remote control woke the system; however, a blank screen with the call status window appeared.
Green video appears when changing to component input in a low bandwidth call. (END-10589)	In a two-way call at 720p60 when you change the main video to component input, the other end receives green video.
Presentation fails in a two way SIP call through OCSR2. (END-10769)	When you start presentation in a SIP call through Microsoft Office Communicator R2, the **Starting Presentation** dialog window displays but the presentation fails.
Placing a call with the OCS client on hold, then resuming, results in both audio and video failure. (END-10850)	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 freeze.
Presentation bandwidth is not reduced when a third participant with a low bandwidth joins the call. (END-10820)	Presentation started at the participant's end is not downspeeded when the MCU dials a third participant at a lower bandwidth. The total bandwidth transmitted to the third participant is more than the dialed bandwidth. This problem is more visible when the video balance on the MCU is set at a higher presentation bandwidth (50/50).
PSTN calls allowed despite disabling PSTN. (END-10910)	Disabling PSTN does not prevent the system from receiving PSTN calls.

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Issue/Problem	Description/Workaround
Dialing interruptions during active conversation. (END-11211)	In a two-way call while participants are actively conversing, attempting to add another caller through the UI returns you to the call screen.
Conference from the web administration interface fails. (END-11501)	A conference dialed from the web administration interface directory fails. **Workaround:** To work around this issue, initiate the conference from the main system interface.
System status after upgrade in the web administration interface may be inaccurate. (END-12191)	When upgrading a LifeSize Team from 4.1.4 to 4.2.0 from the web administration interface, no notification displays that the upgrade failed. The main interface displays “Upgrade script failed”, but the web administration interface remains at the 'Upgrade in Progress' stage.
Unable to dismiss an invalid call from the command line. (END-12246, END-12247)	You are unable to dismiss a rejected or invalid call from the command line, even though entry 0 is present. The system will continue to play the error beep.
Presentation is unable to start from the MCU immediately after participant joins the conference. (END-12306)	Presentation cannot start from the MCU immediately after a participant joins the conference. **Workaround:** To work around this issue, start the presentation a few seconds after participants join the call, or before new participants join the call.
System wide DND is unsupported via the command line. (END-12054)	The system-wide do not disturb function available from the main user interface is unsupported via the command line in this release.
Three camera inputs show video in primary input and presentation input selection screens when four cameras are attached to LifeSize Room 200. (END-10375)	When four cameras are attached to LifeSize Room 200, the primary and presentation input selection screens may show video only from three of the cameras. Video from one of the LifeSize Camera 200 cameras connected to the HD inputs may appear black in the selection for this input on these screens. The video appears on screen when the device is selected.
Primary Audio Output Test preference 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:** To work around this issue, use the preference from the user interface that appears in the display connected to the system.
Digital Zoom preference setting and custom background colors for displays not saved and restored. (END-9148) (END-10979)	Support for saving and restoring the option selected for the **Digital Zoom** preference in **Administrator Preferences : Video : Video Control** and for custom background colors configured for displays through the web administration interface is not available in this release. **Workaround:** To work around this limitation, check the selections for these preferences in the user or web administration interfaces after performing a system restore.
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**.

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Issue/Problem	Description/Workaround
IP address for H.460 server not recognized if H.460 enabled before registering with the gatekeeper. (END-9556)	A LifeSize system may fail to recognize the IP address in the **Gatekeeper IP Address 1** preference for the H.460 server if you enable the **H.460** preference before registering the system to the gatekeeper. **Workaround:** To workaround this issue, navigate to **Administrator Preferences : Communications : H.323** and do the following: 1. Set the **Gatekeeper Mode** preference to *Manual*. 2. For the **Gatekeeper IP Address 1** and **Gatekeeper Port 1** preferences, enter the IP address and port number of the H.460 server that is configured in your environment. 3. Navigate to **Register** and click **OK**. 4. Choose *Enabled* for the **H.460** preference.
The **Register** button is available to re-register a system with the SIP server only after you make a change to 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.
Packet loss statistics are not reported. (END-4297)	Packet loss statistics may be incorrect with any entity that does not send RTCP reports.
Add PSTN participant to a 5-way SIP call with LifeSize Room 200 through IP PBX system. (END-9486)	Adding a PSTN participant during a 5-way SIP call using the PSTN line connected to a LifeSize Room 200 system fails. **Workaround:** To add the PSTN participant, place the call through an IP PBX system.
Certificate message always displays. (END-4515)	Internet Explorer 7 displays a certificate error message at the top of the LifeSize web administration interface at all times. You can safely disregard this message.

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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
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 Room 200 not showing 1280x720 video full screen under certain conditions. (END-9679)	LifeSize Room 200 with the display resolution set to 1920x1080 does not show 1280x720 video full screen when the video is sent from a device connected to the DVI-I input, HD input 1, or HD input 2. **Workaround:** To work around this issue, show the video from a device connected to the auxiliary video input.
LifeSize v3.5.x with Flash Player v10 fails during upgrades. (END-9548)	LifeSize v3.5.x with Flash Player v10 fails during upgrades. If you are using Flash Player v10 with LifeSize v3.5.x, downgrade to Flash Player v9 before upgrading to LifeSize v4.x.
LifeSize Room 200 supports 1920x1080p at 30Hz refresh rate. (END-11533)	LifeSize Room 200 supports a maximum resolution of 1920x1080p at a refresh rate of 30Hz. Choose *1920x1080i60* for the **Display Resolution** preference if your 1080p TV does not support 1080p at a refresh rate of 30Hz.
Limitations with SIP dual video (END-10870)	Support for SIP dual video in this release is subject to the following limitations: • Dual video is available in calls between LifeSize systems only. • In calls with bandwidth at 192 and 256 kb/s, the bandwidth for SIP dual video is 64 kb/s. In calls with bandwidth at 320 kb/s or greater, SIP dual video bandwidth is 128 kb/s. Adjusting bandwidth allocated to the presentation stream using the **Video Bandwidth Balance** preference has no effect. • SIP dual video is not available during a call if the **TLS Signaling** preference in **Administrator Preferences : Communications : SIP** is set to *Enabled* unless the device is registered to OCS over TLS.
Presentations from a far end participant in an H.460 6-way call with LifeSize Room as the MCU may fail. (END-11376)	Presentations started from a far end participant in an H.460 6-way call with LifeSize Room as the MCU may fail and the MCU may reboot. Try the call again without a presentation or limit H.460 calls to four participants.
4-way call limit in a SIP call with LifeSize Room 200 in 1080p30 as the MCU (END-9862)	LifeSize Room 200 as the MCU and configured to use 1080p30 for the display resolution can connect to a maximum of three other participants in a SIP call. In a 4-way SIP call with this configuration, the MCU sends 720p video to the participants.
Component video not supported through the DVI-I input. (END-11201)	Support for component video on the DVI-I input is not available in this release.

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Feature	Support or Limitation
Video image from another LifeSize participant who is not the MCU disappears during a presentation in a 4-way call with LifeSize Room or LifeSize Team MP as the MCU. (END-10426) (END-10430)	When a LifeSize system in a 4-way call connected to LifeSize Team MP or LifeSize Room as the MCU starts a presentation, the video from the fourth participant in the call is removed by the MCU to accommodate the presentation video. Connection information for that participant does not appear in the **Call Manager** or on the **Statistics** page. The video of that participant, depending on the screen layout chosen, may appear when that participant becomes the dominant speaker and replace the video of the earliest speaker.
LifeSize systems disconnect a call from a Microsoft Office Communicator 2007 participant after the participant pauses the video. (END-8806)	LifeSize systems disconnect a call from a participant using Microsoft Office Communicator 2007 after the participant clicks the video pause button in the Conversation window. Support for pausing video is not included in this release.
Virtual multiway behavior not available to LifeSize participants with an earlier release during a 5- or 6-way call with LifeSize Room or LifeSize Room 200 as the MCU when participant is not the dominant speaker. (END-9489)	In a 5- or 6-way call with LifeSize Room or LifeSize Room 200 as the MCU with this release, virtual multiway is not available to any LifeSize participant with a software release earlier than 4.0.0 and who is not the dominant speaker. In this case, LifeSize participants can only control the MCU's camera; view only 3 screen layouts; see only one participant in the call statistics screen; and not see their near end video in the video sent from the MCU. When any of these participants become the dominant speaker, virtual multiway behavior is available.
Browsing for an upgrade file in the web administration interface ends active calls. (END-9833)	Active calls end when you click **Browse** from the **Maintenance** tab in the web administration interface to select an upgrade file.
Digital zoom support (END-9474)	Digital zoom is not supported with LifeSize Camera 200 on LifeSize Room 200.
LifeSize Room 200 in a 2-way call with another LifeSize Room 200 with a different display resolution shows 1280x720 or slightly larger video at 30 f/s.(END-9626)	When a LifeSize Room 200 system with a display resolution set to 1920x1080i60 or 1920x1080p30 calls another LifeSize Room 200 system with a display resolution set to 1280x720p60 or 1280x768p60, the video resolution in the call is 1280x720 (or slightly larger) at 30 f/s.

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Feature	Support or Limitation
Transcoding limitations (END-10994) (END-10743)	In releases earlier than v4.0.0, a LifeSize system hosting a multiway video call could only encode and send one primary video stream to participants. Consequently, the resolution of the video was limited to the greatest common resolution of all devices in the call. When a device with lower resolution capabilities (either by design or due to network limitations) joined a call, video resolution degraded for all participants. LifeSize systems with software release v4.0.0 or later hosting a multiway video call can open a second primary video stream when a device with significantly different video capabilities joins an existing call. Support for this feature (transcoding) includes the following limitations: • Transcoding applies only to a second primary video stream. One of the primary video streams must be H.264. Both primary video streams cannot be H.263 or H.261. • On LifeSize Room and LifeSize Room 200, transcoding is supported with continuous presence calls only (**Multiway Call** preference set to *All Callers*). • In calls with LifeSize Room 200, if the resolution of the transcoded stream is less than one-third the resolution of the primary stream, both streams will be transmitted at standard definition resolutions.
Caller ID support. (END-1201)	Caller ID of PSTN calls during call waiting is not supported.
Link from LifeSize Team or LifeSize Express LAN port to switch may fail when both devices set to auto negotiate speed. (END-6539)	The LAN port on a LifeSize Team, LifeSize Express, and LifeSize Express 200 codec may be unable to establish a link when you connect the codec to a switch and both devices are set to auto negotiate the speed. If this occurs, set the speed on the switch and the **Network Speed** preference on the codec to either 100 Mb/s (full duplex) or 10 Mb/s (full duplex). In rigid configurations, LifeSize recommends you connect a switch or HUB to the network and then connect the device to this switch or HUB.
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.
Far end camera control with voice-activated switching of video. (END-6188)	Participants can only control the far end camera of the MCU and not the active talker when voice-activate switching of video is enabled on the MCU (**Multiway Call Layout** preference set to *Last Speaker*).
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.
Virtual multiway disabled below some resolutions. (END-5835)	If the LifeSize system serving as the MCU sends a 16:9 resolution below 544x304 or a 4:3 resolution below 352x288, virtual multiway is disabled. LifeSize participants see the video layouts of a 2-way call. If the resolution increases during the call, LifeSize participants automatically switch back to virtual multiway. This is typically encountered when the bandwidth of the call drops below 256 kb/s.

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<table>
<tr><th>Feature</th><th>Support or Limitation</th></tr>
<tr><td>Supported VGA/DVI-I input resolutions.</td><td>LifeSize systems support native 16:9 and 4:3 VGA/DVI-I inputs. The System Information screen shows the actual VGA/DVI-I input size for the VGA/DVI-I Input status. The input selector now shows a 16:9 or 4:3 window for the input depending on the aspect ratio.

The system supports VGA/DVI-I input resolutions as follows:
<table>
<tr><th>Resolution</th><th>Behavior</th><th>LifeSize Model</th></tr>
<tr><td rowspan="2">640x480</td><td>scaled to 1024x768</td><td>LifeSize Room
LifeSize Team
LifeSize Team MP
LifeSize Express</td></tr>
<tr><td>native (no system changes)</td><td>LifeSize Room 200
LifeSize Team 200
LifeSize Express 200</td></tr>
<tr><td rowspan="2">800x600</td><td>scaled to 1024x768</td><td>LifeSize Room
LifeSize Team
LifeSize Team MP
LifeSize Express</td></tr>
<tr><td>native (no system changes)</td><td>LifeSize Room 200
LifeSize Team 200
LifeSize Express 200</td></tr>
<tr><td>1024x768</td><td>native (no system changes)</td><td>All models</td></tr>
<tr><td>1280x720</td><td>native (no system changes)</td><td>All models*</td></tr>
<tr><td>1280x768</td><td>native (no system changes)</td><td>All models*</td></tr>
<tr><td rowspan="2">1280x1024</td><td>scaled to 1024x768, aspect ratio distorted to fit</td><td>LifeSize Room
LifeSize Team
LifeSize Team MP
LifeSize Express</td></tr>
<tr><td>native (no system changes)</td><td>LifeSize Room 200
LifeSize Team 200
LifeSize Express 200</td></tr>
</table>
* The largest 4:3 resolution supported is 1024x768 on LifeSize Room, LifeSize Team, LifeSize Team MP, and LifeSize Express; and 1280x1024 on LifeSize Room 200, LifeSize Team 200, and LifeSize Express 200. The largest 16:9 supported resolution is 1280x768.

The resolutions are sent natively to the far end for the primary or secondary video streams. The resolutions may not exactly match due to H.264 or H.263 protocol resolution constraints. These resolutions are supported only with a screen refresh rate set to 60 Hertz on the device connected to the VGA input.</td></tr>
</table>

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Interoperability

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

Supplier	Products
Asterisk	Asterisk 1.4.22.1
Avaya	SIP Enablement Services: v5.1 Communication Manager: v5.1
BroadSoft	BroadWorks; 13,14 SP5
Cisco	Unified Communications Manager: 6.01, 7.0.2.20000-5 CallManager 4.x for audio calls and CallManager Express for both video and audio calls. Users can register LifeSize systems as H.323 extensions through the Cisco IOS Gatekeeper. The Cisco IOS Gatekeeper must be installed in the network. For more information about IP PBX configuration and support, contact your product distributor or LifeSize Technical Services.
ClearOne	EX 1.2 (PSTN Phone)
Codian	MCU 4220: 3.1 MCU 4505: 3.1 ISDN Gateway 3240: 1.5 (1.15)N
LifeSize	Multipoint: 5.7 Multipoint Extension: 5.7 Gatekeeper: 5.6 Gateway (PRI and Serial): 5.6 Phone: 3.7.2 Networker: 3.1.1 Transit: 2.0 Control: 4.0 Desktop 1.0
Microsoft	Office Communications Server 2007: 3.0.6362.0 (R1), 3.5.6907.0 (R2) Office Communicator 2007: 2.0.6362.0 (R1), 3.5.6907.0 (R2)
Mirial	SoftPhone 7.0.2
Polycom	HDX 9002: 2.5.0.1 HDX 9004: 2.5.0.1 HDX 4000: 2.5.0.1 VSX 7000: 9.0.5.1 VSX 8000: 9.0.5.1 ViewStation MP: 7.5.4 ViewStation: EX: 6.0.5 ViaVideo PVX: 8.0.4 IP 3000: 2.8 (speakerphone) IP 4000: 2.2 (speakerphone) MGC 50/100: 9.0 Path Navigator 7.0.12 SoundStation Premier
Radvision	ECS Gatekeeper: 5.6 Pathfinder: 5.6 SCOPIA 100 12/24 MCU: 5.7 SCOPIA 100 PRI Gateway: 5.6 SCOPIA Desktop 5.7

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Supplier	Products
ShoreTel	Shoregear 9.1
Siemens	OpenScape Voice (HiPath 8000) v3
Sony	PCS-1: 3.31 PCS-TL: 2.10 PCS-G70: 2.62
sipX	sipXecs: 3.10
Tandberg	Edge, Centric, and Set-top MXP: F8.0 6000: B10.3 880: E5.3 1000: E5.3 Gateway: G3.2 Border Controller: Q5.2 GK: N5.2 MCU: J4.0

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; refer to issue END-1161.
Mute button on third party microphone may not function properly. (END-8860)	The mute button on a third party microphone connected to the microphone input on a LifeSize codec may not function properly. For best results use a LifeSize MicPod when connecting a microphone to the microphone input.
Video fails when low bandwidth third party joins the call. (END-11557)	In a 3-way ISDN call with LifeSize systems and a Polycom or Tandberg device as a participant, the video on the LifeSize system goes blank as soon as the third party device joins the call. This problem only occurs when the call is dialed at 256 kb/s and when both participants are dialed as ISDN. Virtual multiway becomes disabled due to the low bandwidth third party participant, forcing the video to fail. **Workaround:** To work around this issue, set both LifeSize participants to continuous presence.

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Feature	Limitation
In a 4way CP call with third party devices, the call behavior is unexpected when the last participant joins. (END-12301)	In a 4 way continuous presence call between a LifeSize MCU, Tandberg 6000 MXP that starts presentation, Polycom VSX 8000, and a LifeSize system, the two third party systems do not see the last participant added. The MCU sees the last participant as connected in the call statistics, but does not receive video or audio, and the 4th participant experiences no issues and can see all participants.
ProCurve 5606 not responding with LifeSize Room with MicPod. (END-10792)	The default gateway ProCurve 5606(L3) version K.12.57 does not respond with a LifeSize Room with MicPod.
BroadSoft:	
SIP dual video not supported in SIP calls between LifeSize systems connected through BroadWorks. (END-10644)	A presentation with SIP dual video fails to start in SIP calls between LifeSize systems connected through BroadWorks. To work around this issue, send the presentation video as primary video by selecting *Disabled* for the **Presentations** preference in **Administrator Preferences : Communications : General** before placing the call.
Cisco:	
6000 kb/s SIP call placed between two LifeSize systems through Cisco Unified Communications Manager connects at 1000 kb/s (END-11127)	A 6000 kb/s SIP call placed from a LifeSize Room or LifeSize Room 200 system to another LifeSize Room or LifeSize Room 200 system through Cisco Unified Communications Manager connects at 1000 kb/s. To work around this issue set the **Incoming Maximum Bandwidth** preference in **Administrator Preferences : Calls** on the LifeSize system to *6000 kb/s*.
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 does not recognize H.239 and terminates a call if it attempts to open an H.239 stream. If you have a PIX firewall/ASA device and are using it to manage the H.323 protocol, you may experience any of the following conditions. • If you are using the H.323 fixup protocol and your version of the PIX firewall/ASA (Adaptive Security Appliance) only supports H.323 version 2 endpoints, (PIX Firewall or ASA version 5.3 through version 6.2) the calls always negotiate to H.263 CIF resolution instead of H.263 HD resolution, and the calls always negotiate to an audio algorithm other than AAC. To work around this issue, upgrade your PIX Firewall/ASA to a version that supports H.323 version 3 or greater. • If you are using any known version of the Cisco PIX/ASA H.323 fixup protocol, presentations (H.239) fail and will likely cause the call to terminate. To work around this issue, disable presentations. Alternatively, to work around all of these issues, configure NAT/firewall settings based on information in the *LifeSize Video Communications Systems Administrator Guide*, and then turn off the fixup protocol.

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Feature	Limitation
Call forward and voicemail on CME works only with Cisco Phones. (END-3320)	LifeSize does not currently support the Cisco proprietary SCCP protocol required to use call forwarding or voicemail with the Cisco IP Phone.
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.
Poor quality audio in calls with Codian MCU 42XX at software version earlier than v2.1. (END-5858)	You may experience poor quality audio in calls with a Codian MCU 42XX that has system software earlier than v2.1. To resolve this issue, upgrade the Codian MCU to v2.1 or later.
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.
Unable to place a 1080p30 call with Codian 4504 MCU. (END-12220)	The Codian 4505 MCU does not support 1080p decode. It can support 1080p encode only if the peer device supports it. LifeSize systems can receive 1080p30 video from the Codian MCU only if it is in 2x2 layout. If video is set to full screen, it displays 1280x720p30 rx and tx.
Distorted video displays on LifeSize Room 200 in a 40-device call to a Codian 4520 MCU. (END-10794)	A known issue with the Codian MCU results in distorted video on LifeSize Room 200 in a 40-device conference to the Codian 4520.
Polycom:	
LifeSize Room 200 video cropped in a 4way VAS call hosted by the Polycom VSX8000. (END-11952)	In a 4-way VAS call hosted by a Polycom VSX8000, LifeSize Express systems are displaying in 16:9 format and LifeSize Room 200 systems are displaying as 4:3. However, all systems report sending the same resolution. Due to letter-boxing issues, the video must display as 4:3.
Presentation from LifeSize system as the MCU in a multiway call with Polycom HDX stops if another participant leaves the call. (END-10898) (END-11355)	When a LifeSize system is the MCU in a multiway call and sending a presentation, the presentation stops if a Polycom HDX system is a participant and another participant leaves the call or a third party device joins the call. To work around this issue, hang up the call, place the call again, and restart the presentation, or ensure that all participants are in the call during the presentation.
Green patches appear in video when video switching configured on Polycom MGC 50 and AES Security enabled. (END-8679)	Green patches appear in video in LifeSize systems during an AES encrypted call with Polycom MGC 50 when the Polycom system is configured to use video switching.

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Feature	Limitation
Video freezes in Polycom VSX 7000 in encrypted multiway call when presentation is shared from LifeSize system as the MCU. (END-8909)	Polycom VSX 7000 may fail to receive a presentation started by a LifeSize system as the MCU during an encrypted multiway call. The presentation is received if the call is placed without encryption enabled.
Presentation from Polycom HDX fails with LifeSize Room as MCU if another participant does not support H.264 video. (END-9252)	A presentation from a Polycom HDX participant in a multiway call with LifeSize Room as the MCU fails if another participant in the call does not support H.264 ancillary video.
LifeSize system unable to send presentation from SD input with Polycom VSX 8000 as MCU in multiway call. (END-7611) (END-9357)	A LifeSize system in a multiway call with Polycom VSX 8000 or VSX 7000 as the MCU cannot send a presentation from a device connected to the SD input due to limitations in negotiating a compatible resolution for the video. The same issue occurs if the presentation device is connected to the VGA input on the LifeSize system. To work around this issue if the VGA input is used, change the resolution on the VGA input device to 1024x768 or greater.
No video sent to Polycom MGC from LifeSize calling through a third party IP/ISDN gateway. (END-7506)	LifeSize systems do not send video to a Polycom MGC when the LifeSize system calls the device through a third party IP/ISDN gateway. To work around this issue, use a LifeSize Networker for ISDN calls to the Polycom MGC.
Concurrent H.239 presentations unsupported with MGC. (END-3802)	If a presentation is in progress during a call with a Polycom MGC as the MCU and another participant starts a presentation, the new presentation does not appear in the display. To work around this issue, stop the current presentation before starting the new presentation.
No presentation from Polycom VSX 7000 with Polycom MGC as the MCU. (END-6513) (END-10310)	LifeSize systems do not receive a presentation from Polycom VSX 7000 when Polycom MGC is the MCU due to features sent from the MCU that are not supported on LifeSize systems.
Audio codec G.722 negotiated in a call with Polycom MGC. (END-6029)	LifeSize systems negotiate only the G.722 audio codec in calls with Polycom MGC systems.
No video when H.263-4CIF is set on the Polycom MGC. (END-10935)	LifeSize systems are not sending or receiving video to the Polycom MGC when H.263-4CIF resolution is selected. This occurs when the line rate is set above 1152kb/s and the participants dial into the conference at auto bandwidth. If you must set H.263-4CIF resolution on the MGC, you must then also dial a bandwidth higher than 1152 kb/s from the LifeSize device.
Not achieving 60 f/s in a call between LifeSize Room 200 and Polycom HDX 8006. (END-11806)	In a call between LifeSize Room 200 and Polycom HDX 8006, the LifeSize system does not send 60 f/s. On the Polycom HDX 8006 there is a maximum 30f/s mode by selecting *sharpness* at the camera properties, and 60f/s mode by selecting *motion*. In 30f/s mode the system can send a maximum 1080p30, in the other case it can send a maximum 720p60. To work around this problem and achieve 60 f/s, ensure the HDX is set to *motion*.
Distorted video between LifeSize Room 200 and Polycom devices. (END-12002)	Distorted video displays on LifeSize Room 200 when calling a Polycom device (for encoded resolutions that do not match the source aspect ratio).

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Feature	Limitation
LifeSize Express cannot send its video to the far end when connecting to a VSX7000 internal multipoint. (END-11701)	In a two-way call between LifeSize Express and Polycom VSX 7000 with H.264, adding a Polycom VSX 6000 results in no video displaying for LifeSize Express.
Radvision:	
Poor quality audio with G.728 audio codec in calls with LifeSize v3.5 systems and Radvision SCOPIA 100 12/24 MCU. (END-7609)	You may experience poor quality audio when the G.728 audio codec is used in calls with LifeSize systems v3.5 and Radvision SCOPIA 100 12/24 MCU with software versions earlier than 5.5.3. To resolve this issue, upgrade the Radvision SCOPIA 100 12/24 MCU to version 5.6 or later.
SipX:	
LifeSize can successfully register to SipXecs despite unauthorization. (END-11883)	LifeSize system registers successfully with SipXecs PBX despite being unauthorized.
Sony:	
Second presentation started from LifeSize system in 2-way call with Sony PCS-G70 fails. (END-10874)	A LifeSize system in a 2-way call with Sony PCS-G70 (v2.63) can start and stop only one presentation during the call. Attempting to start a subsequent presentation fails. To work around this issue, hang up the call, place the call again, and start the presentation.
LifeSize Room 200 and Sony XG80 below 1 mb/s results in inconsistent H.239 behavior. (END-11853)	In a call with LifeSize Room 200 and Sony XG80 below 1mb/s, H.239 does not work consistently, sometimes showing a black screen, or becoming stuck on mute, or unable to stop presentation or terminate the call. Rebooting recovers from this issue.
Tandberg:	
SIP call placed from LifeSize system using UDP/TCP signaling to Tandberg device using TLS and security set to auto fails. (END-10462)	A SIP call placed from a LifeSize system configured to use UDP/TCP signaling for SIP calls to a Tandberg MXP device using TLS and security set to auto fails. To work around this issue, place the call from the Tandberg device or disable the auto feature on the Tandberg device.
LifeSize Room or LifeSize Room 200 using voice-activated switching of video and Tandberg 880 or 1000 in a two-way call connect as audio only call. (END-8967)	A LifeSize Room or LifeSize Room 200 system using voice-activated switching of video (**Multiway Call Layout** preference set to *Last Speaker*) and a Tandberg 880 or 1000 system in a two-way call fail to negotiate a video codec. The call connects as an audio call. **Workaround:** To work around this issue, upgrade the Tandberg system to software release E5.3 NTSC (Rev. 1.20, 2002-02-08) and then set **System Configuration : Call Quality : Advanced Call Quality : Video** to *Auto* on the Tandberg system.
No video in Tandberg 1000 MXP from LifeSize system after Tandberg adds another caller. (END-7648)	In a call with a LifeSize system, no video appears in the Tandberg 1000 MXP display from the LifeSize system after the Tandberg system adds another caller. To work around this issue, from the Tandberg system do the following: 1. Place the call to the LifeSize system. 2. Add another LifeSize participant. 3. After the call connects, disconnect the last participant.
No video on LifeSize systems when Tandberg 1000 joins a 3-way call with Polcom VSX8000. (END-10995)	When a Tandberg 1000 joins a 3-way H.263+ call from a Polycom VSX8000 to LifeSize Room and LifeSize Room 200, both LifeSize systems stop sending video.

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Feature	Limitation
Low bandwidth results in poor audio in a call with LifeSize Team MP and Tandberg Edge 95. (END-10241)	In a call between LifeSize Team MP and Tandberg Edge95, the bandwidth utilization was poor and resulted in unusable audio. Reducing speed to 384K improves but does not resolve the problem.
"No incoming video" message displays on the Tandberg 6000 MXP just after call setup. (END-9724)	When a two-way ISDN call is dialed from a LifeSize system to a Tandberg 6000 MXP, the message "No incoming video" flashes on the Tandberg side just after call setup. After a couple of seconds this message is cleared and video shows.
Bad video in presentation with resolution set to 1280x768 with Tandberg systems. (END-11760)	Sending a presentation from a LifeSize system to a Tandberg Edge95 MXP or Tandberg 1700 MXP with resolution set to 1280x768 results in poor video. **Workaround:** To work around this problem, set the resolution to 1280x720 or XGA.
Bursting sound when Tandberg system joins a two way ISDN call. (END-12187)	In a two way ISDN call between a LifeSize system and Tandberg 6000 MXP, a bursting noise occurs when the Tandberg system joins the call.

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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 Video Communications Systems Administrator Guide:	
References to LifeSize Express 200	The LifeSize Video Communications Systems Administrator Guide does not include references to LifeSize Express 200 in sections that identify differences in features based on system model. The following list identifies where these references are missing: • The section *Configuring LifeSize Systems Using DHPC* section is missing information for the #S escape for a LifeSize Express 200 system. The #S escape when used in the path for configuring the DHCP option is replaced by `express2` for this system model. • The section *Using the Reset Button on LifeSize Express, LifeSize Room 200, or LifeSize Team 200* also applies to LifeSize Express 200. • The section *Selecting the Active Microphone* identifies by system model the options available for the **Active Microphone** preference and the order in which an active microphone is chosen when this preference is set to *Auto*. The options available and the behavior of the *Auto* option for this preference for LifeSize Express 200 are the same as those identified for LifeSize Express. • The section *Testing Primary Audio Output* indicates that on LifeSize Express, LifeSize Room 200 and LifeSize Team 200, primary audio test tones output through line out and HD video out of Display 1. This statement also applies to LifeSize Express 200. • The section *Customizing Input Device Names* identifies the input names that can be customized by system model. Administrators can customize the **HD Camera 1 Name** and **DVI-I Input Name** preferences.

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Erratum Summary	Description
Undocumented features	The *LifeSize Video Communications Systems Administrator Guide* does not include information about the **SIP Server Type**, **HD Camera Auto Exposure**, and **Local Directory** configuration preferences. ***SIP Server Type preference***—To resolve issues in processing calls through Microsoft Office Communications Server, LifeSize recommends that administrators choose *Microsoft OCS* for **SIP Server Type** in **Administrator Preferences : Communications : SIP**. The default is *Auto*. New options for controlling exposure with LifeSize Camera 200. Users can choose the method that auto exposure uses to average video image brightness, or disable auto exposure by selecting an option for **HD Camera Auto Exposure** in **User Preferences** or **Administrator Preferences : Diagnostics : High Definition Camera**. This preference is available only on LifeSize system models that support LifeSize Camera 200. The default, *Full-frame*, adjusts exposure based on the average brightness of a full frame of video. The *Center-weighted* option adjusts exposure based on the average brightness of a full frame of video, but with a higher weight assigned to the center area of the frame. The *Spot* option adjusts exposure based on the average brightness of a small area in the center of the frame. The *Manual* option disables auto exposure. You can affect auto exposure or adjust exposure manually when auto-exposure is disabled by adjusting the amount of light received through the camera lens by setting **HD Camera Brightness** in **User Preferences** or **Administrator Preferences : Diagnostics : High Definition Camera**. With this preference for LifeSize Camera 200, the `exposure`, `exposure-gain`, and `exposure-itime` targets in the LifeSize Automation Command Line Interface (CLI) apply only to LifeSize Camera and LifeSize Focus. For more information about new, revised, and deprecated commands, objects, targets, and arguments in the CLI, refer to the *LifeSize Automation Command Line Interface for LifeSize Video Communications Systems*. Administrators can disable user access to the local directory by setting **Local Directory** to *Disabled* in **Administrator Preferences : Directory : General**. Disabling access to the local directory also disables the following: • saving entries from the **REDIAL** list to the local directory • copying corporate directory entries to the local directory • selecting entries from the local directory when creating a meeting entry in the meetings directory. Administrators maintain access to the local directory on the web administration interface **Directory** page when the **Local Directory** preference is set to *Disabled*.
LifeSize Room 200 and bandwidth preferences settings (END-8504)	The *Managing Bandwidth* section incorrectly states that when the **Outgoing Maximum Bandwidth** and **Incoming Maximum Bandwidth** preferences are set to *Auto* and the user chooses *Auto* for the bandwidth when placing a call, LifeSize Room 200 uses a bandwidth that is dependent on the native resolution of the input device. This feature was not implemented on LifeSize Room 200.

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Erratum Summary	Description
Auto start presentation feature enhanced after publication deadline (END-9719)	The first sentence in the section *Manually Starting a Presentation* states that if the **Presentations** preference is set to *Enabled* (the default), a presentation starts automatically during a call if a user connects a video input device other than a LifeSize Camera or LifeSize Focus to the codec. This feature was enhanced after the publication deadline. If the **Presentations** preference is set to *Enabled*, a presentation starts automatically during a call if a user connects a video input device other than a LifeSize Camera, LifeSize Camera 200, or LifeSize Focus to the codec and the video input device is not selected as the primary input.
License key enforcement and manually obtaining a license key	Information about license key enforcement and how to obtain a license key manually when an attempt to retrieve the key through the user or web administration interfaces fails was not available at publication deadline. In addition, the section *Updating License Keys* indicates that the message `Failed Connection` returns when a system fails to connect to the LifeSize license key server. The actual message is `Service Unavailable`. For more information, refer to the technical note *Installing and Updating an Upgrade License Key: LifeSize Video Communications Systems* available from the Support page of www.lifesize.com and from the software download page for your system.
Changing an IPv4 address does not result in a system reboot. (END-611)	A LifeSize system no longer automatically reboots after you change an IPv4 address in **Administrator Preferences : Network : General**.
AES Security supported with H.323 and H.460 calls only.	AES Security is supported with H.323 and H.460 calls only.
Call Manager polling in web administration interface.	Data that appears in the **Call Manager** in the web administration interface refreshes every five seconds rather than in real time.
Display Energy Saver preference (END-9089)	When set to *Enabled*, the **Display Energy Saver** preference in **Administrator Preferences : Appearance : Displays** turns off the signal that the LifeSize system sends to the display when the system goes to sleep. LifeSize recommends that you test this feature for compatibility with your displays before using it in your environment. Some displays may appear black when the signal from the system is no longer received, but not enter an energy saving state. Other displays may recognize the loss of the signal and show text indicating this state. This may result in the text image burning into the screen. Some displays may recognize the loss of the signal and power off, but then not wake up when the LifeSize system wakes up. If your monitor is set for audio, you may not hear incoming calls when this preference is enabled.
UTF-8 text editor required for viewing or editing imported/exported directory data. (END-6444)	When importing and exporting the directory from the web administration interface, use a text editor that supports UTF-8 encoding to view or edit the data. Double-byte characters are not supported in directory entries imported with the web administration interface.

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Erratum Summary	Description
Voice-activated switching of video with LifeSize Room and LifeSize Room 200 as the MCU (END-9303) (END-9400)	To enable full screen view of video, access **Administrator Preferences : Appearance : Layout** and set the **Multiway Call Layout** preference to *Last Speaker*. To view a split screen, choose *All Callers*. You cannot change this preference during a call. LifeSize recommends that you keep the **Multiway Call Layout** preference set to *All Callers* when not using the system as the MCU. Voice-activated switching is supported with H.323 and H.460 calls only.
Virtual multiway support with LifeSize participants.	Virtual multiway is available only to LifeSize participants during a call when a LifeSize system is the MCU. Non-MCU participants cannot hang up virtual calls. Virtual multiway is not supported during calls with voice activated switching of video (**Multiway Call Layout** preference set to *Last Speaker* on LifeSize Room or LifeSize Room 200).
Enabling stretch video has no effect on LifeSize Room 200 if display resolution is 1920x1080. (END-9438)	Setting the **Stretch Video** preference in **Administrator Preferences : Video : Video Control** to *Enabled* has no effect on a LifeSize Room 200 system if the resolution of either display connected to the system is set to 1920x1080.
Pulse option for Voice Dialing preference not available on LifeSize Room 200 and LifeSize Team 200. (END-8556)	Pulse dialing is not available as an option for the **Voice Dialing** preference in **Administrator Preferences : Communications : General** on LifeSize Room 200 and LifeSize Team 200. Pulse dialing is not supported on these models.
Resolution sent is 720p30 if resolution of non-LifeSize input device connected to HD or component input does not match resolution set for display on LifeSize Room 200.(END-9625)	If a video input device other than a LifeSize camera connected to an HD input or component input on LifeSize Room 200 is sending video at a resolution that does not match the display resolution configured on the LifeSize system, video transmitted to the far side is 720p30. For best results, ensure that the display resolution selected in **Administrator Preferences : Appearance : Displays** matches the resolution on the input device.
Audio from the auxiliary audio input on LifeSize Room not heard when you adjust the volume. (END-9087)	You may not hear the audio when adjusting the audio volume for a device connected to the auxiliary audio input on LifeSize Room. To work around this issue, do the following: 1. Navigate to **Administrator Preferences : Audio**. Note the option selected for the **Auxiliary Audio Input Association** preference. 2. To hear audio from the auxiliary audio input, choose *Any Input* for the **Auxiliary Audio Input Association** preference. 3. Use the **Auxiliary Audio Input Volume** preference to adjust the volume. 4. Set **Auxiliary Audio Input Association** to the option that you noted in step 2.
Virtual multiway only supported during H.264 video calls. (END-5701)	Virtual multiway is only supported during multiway video calls that use H.264. If the call switches from H.264 to H.263, H.263+, or H.261, the non-MCU systems revert back to a non-virtual multiway layout. The user sees the layouts available for a 2-way call. If the call switches back to H.264, the system automatically switches back to virtual multiway. This is typically encountered when a third-party device that only supports H.263, H.263+, or H.261 is added to the call.

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<table>
<tr><th>Erratum Summary</th><th>Description</th></tr>
<tr><td>Adjusting the Video Bandwidth Balance preference during a call has no effect. (END-5711)</td><td>Adjusting the Video Bandwidth Balance preference during a call has no effect. Adjust this preference before placing a call.</td></tr>
<tr><td>Behavior of Auto option for Default Primary Input and Default Presentation Input preferences (END-8897) (END-9528)</td><td>Information about the behavior of the Auto option for the Default Primary Input and Default Presentation Input preferences in Administrator Preferences : Video : Video Control was not available at publication deadline. If you choose Auto (the default) for the Default Primary Input preference, the system chooses a default input device in the following order:
<table>
<tr><th>Model</th><th>Input Priority</th></tr>
<tr><td>LifeSize Room</td><td>1. HD Camera (active camera)
2. Auxiliary video</td></tr>
<tr><td>LifeSize Team/Team MP</td><td>1. HD Camera
2. Document Camera</td></tr>
<tr><td>LifeSize Team 200
LifeSize Express</td><td>1. HD input 1 (if connected to LifeSize Camera 200)
2. HD Camera (a LifeSize camera connected to the port labeled LifeSize Camera Only or System Camera Only)
3. HD input 1 (connected to a device other than a LifeSize Camera 200)</td></tr>
<tr><td>LifeSize Room 200</td><td>1. HD input 1 (if connected to LifeSize Camera 200)
2. HD input 2 (if connected to LifeSize Camera 200)
3. HD Camera (a LifeSize camera connected to the port labeled System Camera Only)
4. HD input 1 (connected to a device other than a LifeSize Camera 200)</td></tr>
</table>
On LifeSize Express 200, the HD Camera 1 input is selected if you choose Auto for the Default Primary Input preference.

Choosing Auto (the default) for the Default Presentation Input chooses the device connected to the VGA or DVI-I input on the codec.</td></tr>
<tr><td>VISCA Input preference on LifeSize Room 200</td><td>Information about the VISCA Input preference in Administrator Preferences : Video : Video Control on LifeSize Room 200 is missing from the Administrator Guide. For more information about using this preference, refer to the technical note Using the Sony EVI-HD1 Camera with LifeSize Room 200. The default is SDI Adapter. If you are using the RS-232 serial port on LifeSize Room 200 to control the system through the command line interface with a third party device, None appears as the value for this preference.</td></tr>
<tr><td>Transposition error in preference name.</td><td>References to the Stretch Video preference appear as Video Stretch in the section Controlling Video Stretch.</td></tr>
</table>

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Erratum Summary	Description
TFTP download of configuration file through DHCP option 157 uses port 5351. (END-8871)	If you configure a system using DHCP option 157 and specify a TFTP server as the source from which to obtain the configuration file, the system accepts the download through port 5351. Ensure that firewalls between the system and the TFTP server are configured to allow the download through this port. For more information about configuring a system using DHCP option 157, refer to the *LifeSize Video Communications Systems Administrator Guide*.
LifeSize Video Communications Systems User Guide:	
Presentation icon appears in corners of display 1 when LifeSize Express 200 is used with two displays.	In the section *Initiating a Presentation* the following statements appear: *The receiving presentation indicator appears on top of the presentation video that you are receiving from a far end participant. The sending presentation indicator appears on top of the presentation video that you are sending.* With LifeSize Express 200 connected to two displays, these indicators always appear in display 1. The receiving presentation indicator appears in the upper left corner of the display; the sending presentation indicator appears in the lower right corner of the display.
Screen layouts enhancements	New screen layouts enable users in a 3- or 4-way video call to choose a far end participant to show as the largest video image regardless of who is speaking in the call. Screen layouts in which video from far end participants does not change position show only the layout number in the status bar when the user interface is visible (for example 8/8). Screen layouts in which video images of far end participants change position when far end participants speak, appear with the dominant speaker icon next to the layout number in the status bar, for example: 6/8 The new layouts are intended for 3- and 4-way calls only. On LifeSize systems that support more than four video participants in a call, video from one of the far end participants not shown on screen in a 5- or 6-way call may replace the largest video image in these new layouts when that participant becomes the dominant speaker. For more information about screen layouts, refer to the technical note *LifeSize Video Communications Systems Screen Layouts*, which is available from the Support page of www.lifesize.com.
Change in system behavior when the # symbol is entered as the first character when placing a call.	The section *Placing a Call* includes the following statement: *If you enter # as the first character when placing a call, the system attempts to dial the call first as an ISDN number.* A LifeSize system attempts to place a call first as an ISDN call when the # symbol is entered as the first character only if LifeSize Networker is configured for use with the LifeSize system.

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Erratum Summary	Description
Presentations with LifeSize Room and LifeSize Team MP in 4-way call	The section *Initiating a Presentation* states that if you are using LifeSize Room or LifeSize Team MP in a four-way call, only the system that is hosting the conference call can initiate a presentation. Now, participants other then the MCU in the call can start a presentation or join the call if a presentation from a participant other than the MCU is in progress.
Digital Zoom	Information about digital zoom was not available at publication deadline. For information about this feature, refer to Using Digital Zoom on page 25.
Virtual multiway explained in the context of the features affected by the behavior	Virtual multiway is a system behavior introduced in software release v3.0 that affects several features on a LifeSize system participating in a multiway call with another LifeSize system serving as the MCU. With virtual multiway, LifeSize participants can access the same screen layouts that are available to the MCU; control the cameras of all participants; and view caller information for each participant in the call, most notably in the **Call Statistics** screen and the **Call Manager** dialog. A description of how screen layouts, camera control, and the Call Manager dialog behaves during a multiway call with another LifeSize system serving as the MCU appears in the User Guide in the appropriate feature-related sections without reference to the term “virtual multiway.”
Clarification of encryption icons in images sent to LifeSize participants from a LifeSize system serving as the MCU. (END-9246)	Encryption icons that appear in video images sent from a LifeSize system serving as the MCU to another LifeSize system in a multiway video call reflect the encryption status of the data transmitted and received in the call connection between the MCU and the LifeSize participant only. The encryption status of the call connection from another participant to the LifeSize system serving as the MCU is available only to the MCU.
Calling your own system. (END-1560)	Calling your own LifeSize system is not supported or recommended and results in infinite looping of windows in your display with a system that supports multiway video calls and a busy signal with a system that supports only two way video calls. Calling a device multiple times in the same call produces a similar result and is not supported or recommended
Installation Guides:	
Choosing an unsupported display resolution forces the **Display Resolution** preference to *Auto*.	LifeSize systems automatically set the **Display Resolution** preference to *Auto* if you select an option for this preference that is not supported by the connected display. This information appears in the Installation Guide for LifeSize Express 200 but is missing from the installation guides for all other system models.

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Erratum Summary	Description
Audio meter enhancements	Information about audio meter enhancements included in this release appears in the Installation Guide for LifeSize Express 200 but is missing from the installation guides for all other system models. Audio level meters for adjusting the active microphone volume and line in volume preferences include a decibel (dB) scale in this release. The meters are calibrated in decibels below full digital scale on the transmitted voice. The maximum level is 0 dB. Audio levels for the active microphone volume and line in volume preferences are recalibrated in this release. If you are upgrading from a previous release, LifeSize recommends that you check these levels after performing the upgrade. For more information about using these audio meters refer to the technical note *Configuring LifeSize Audio Meters* available from the Support page of www.lifesize.com.
A splitter or extension cable without a LifeSize MicPod connected to the microphone input is detected as a connected LifeSize MicPod. (END-8976)	A LifeSize system detects a splitter or extension cable without a LifeSize MicPod connected to the microphone input as a connected LifeSize MicPod. If the **Active Microphone** preference is set to *Microphone In* or *Auto* (the default) and this device is automatically selected as the active microphone, the No Active Microphone icon does not appear in the status bar and the **Active Microphone** field in the **System Information** page reports *Microphone In* as the active microphone. If you wish to disconnect a LifeSize MicPod connected to a system with a splitter or extension cable, disconnect the splitter or extension cable from the microphone input.
Network changes may require a reboot to obtain new IP address. (END-9007)	A LifeSize system is unable to detect a change to its IP address if the change is due to a change in networks from a wiring closet or through software, such as a change to a router configuration. Reboot the LifeSize system if the DNS changes.
USB port unsupported on LifeSize Room 200 and LifeSize Team 200	Support for the USB port on LifeSize Room 200 and LifeSize Team 200 is not included in this release.
LifeSize Camera 200 supported on HD input only (END-9522)	LifeSize Camera 200 can be connected to a LifeSize codec HD input only (port labeled HD on LifeSize Express, LifeSize Room 200, and LifeSize Team 200). Support for LifeSize Camera 200 connected to the HD camera input labeled **LifeSize Camera Only** or **System Camera Only** is not available in this release.
VGA to S-Video or Composite cables are not supported. (END-4557)	4x3 aspect TV using SD inputs is not supported on either display.

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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. You may also contact LifeSize Technical Services as follows:

Method	Address
Internet	http://www.lifesize.com
E-mail	support@lifesize.com
Phone	(877) LIFESIZE or (877) 543-3749, (512) 347-9300
Fax	(512) 347-9301

Using Digital Zoom

This release includes support for digital zoom with LifeSize Focus and LifeSize Camera connected to LifeSize Express, LifeSize Express 200, LifeSize Room 200, and LifeSize Team 200. Digital zoom electronically crops an area of the video image shown in the display using the same aspect ratio as the original image and then scales the cropped image to the dimensions of the original image.

> **Note**: Image quality may degrade when using digital zoom.

Administrators can enable this feature by choosing *Enabled* for the **Digital Zoom** preference in **Administrator Preferences : Video : Video Control**.

Digital zoom is available with LifeSize Camera only after the camera's longest focal length with optical zoom has been reached.

> **Note**: Support for camera presets with LifeSize Camera while using digital zoom is not included in this release. Using a camera preset while in digital zoom returns the camera to optical zoom.

To use digital zoom, do the following:

1. Ensure that the camera is selected as the primary video input. Digital zoom is available only when the camera is selected as the primary video input. For more information about selecting a device as the primary video input, refer to "Changing Video Inputs" in the *LifeSize Video Communications Systems User Guide*.
2. Select the near end camera to control. Refer to "Controlling a Near End Camera" in the *LifeSize Video Communications Systems User Guide* for information about how to select the near end camera when the system is idle. During a call, the near camera is selected by default. An orange and white camera icon appears in the near video image when the user interface is visible and the near end camera is selected.
3. Depending on the camera you are using, do one of the following:
   - If you are using LifeSize Focus, press the zoom in button on the remote control to obtain a closer view of the near end video image.
   - If you are using LifeSize Camera, press and hold the zoom in button on the remote control until you hear a beep, and then release the zoom in button. The beep indicates that you have reached the longest focal length with the camera's optical zoom. Press the zoom in button again to use digital zoom.

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4. Use the arrow keys on the remote control to digitally pan and tilt the camera. Depending on the camera you are using, digital pan and tilt behaves as follows:
    - If you are using LifeSize Focus, digital pan and tilt are available only after you activate digital zoom by pressing the zoom in button. If you exit digital zoom by using the zoom out button to return to the camera's original fixed focal length, digital pan and tilt are not available.
    - If you are using LifeSize Camera, digital pan and tilt are available only when using digital zoom and only after the camera's mechanical limits of pan and tilt have been reached.
5. Use the zoom out button to view the image from farther away or to exit digital zoom.

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