



Release Notes

LifeSize UVC Multipoint

Release v1.6

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This release of LifeSize UVC Multipoint is deployed as an application on LifeSize UVC 3350 and LifeSize UVC 1150 appliances only. Refer to the release notes for LifeSize UVC Multipoint v1.5.x for information about supported virtual machines and UVC 1100 and UVC 3300 appliances.

For the current product documentation for LifeSize UVC Multipoint and LifeSize UVC Platform, refer to lifesize.com/support.

For dialing patterns, refer to the *Dialing Patterns for LifeSize MCUs* quick reference card at lifesize.com/support.

New Features and Resolved Issues

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

- To compute capacity for UVC Multipoint in this release, use this model:
.5 1080p caller = 1 720p caller = 2 480p callers = 2 360p callers
- Presentation sharing using BFCP is now available with third party devices.
- UVC Multipoint embeds presentation video from standards-based video devices into the main window so that callers (including Microsoft Lync) that do not support receiving presentation video in a separate stream can view the presentation.
- Support for Microsoft Lync 2010/2013 AVMCU cascading with UVC Multipoint.
- Support for Annex O dialing from UVC Multipoint.
- Support for onscreen icons and text.
- A new preference, **Show System Names**, allows you to specify that the system name for each onscreen participant is visible for the duration of a call.
- The following options are available at the conference and participant levels: layouts, mute audio and video, conference details, delete, and user experience settings (including language, self view, speaker order, status indicators, announcements, show system names, layout lock, and text inset).
- Support for additional layouts: 1x3, 2x3, and 3x3.
- The video Virtual Operator now allows participants to create and select conferences through onscreen menus.

- Participants joining through the Virtual Operator are visible in UVC Multipoint. Administrators can drag and drop a participant who joined through the Virtual Operator.
- Three new options are available in **Preferences > Conferences**:
 - Configure the maximum number of on demand conferences.
 - Define the interval after which a conference is deleted in **Expired conference removal interval**.
 - Set the video bandwidth balance in **Presentation bandwidth**. By default, this preference is set to 80% for the video stream and 20% for the presentation stream. You can also adjust the presentation bandwidth for a single conference by editing the conference.
- Set the maximum number of ports available for an on demand (or scheduled) conference in **Maximum participants** when you create or edit the conference. The maximum value depends on your server capacity, the conference resolution, and the value of **Encoder sharing**. Ensure that you consider these factors when determining the maximum value for optimal performance in your configuration. For example, on a UVC 3350 appliance, the maximum conference size is 40 participants.
- You can now schedule repeating conferences.
- A new option, **Forward error correction**, is available in **Preferences > Video** to minimize video problems caused by minor packet loss. This option is selected by default.
- Far end camera control is available for ongoing calls in **Conferences**. Select the participant and click   to adjust the far end PTZ camera.
- UVC Multipoint supports dual home configuration. Refer to the *LifeSize UVC Platform Installation and Deployment Guide* for more information.
- Support for static NAT.
- Configuration preferences are now available for UDP and TCP lowest and highest port values.
- Licensing for additional audio only ports is available in this release.
- UVC Multipoint application administrators without server administration privileges will no longer encounter an error in **Operations and Maintenance > View logs > Download selected logs**. (UMCU-2128)
- Distorted video aspect ratio no longer occurs with Microsoft Lync 2013 client. (UMCU-1675)
- Conferences now reregister successfully to UVC Multipoint after Microsoft Lync server downtime. (UMCU-1969)
- IVR announcements in the Virtual Operator now work correctly. (UMCU-1897)
- In a dial in call from UVC Multipoint from a UDP blocked network, frozen video no longer occurs. (UMCU-1837)
- Configuration details for the Lync client are now refreshed every 8 hours. (UMCU-1774)
- Fixed an issue with the selection of audio codecs for dial out calls from UVC Multipoint to Polycom video devices. (UMCU-371)
- You can now start a presentation from a video device registered to ShoreTel Shoregear. (UMCU-699)

Known Issues

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

General

- When a LifeSize device attempts to join a UVC Multipoint conference as a video call, and the conference is full, the device might connect as an audio call without video (H.323) or frozen video (SIP). (UMCU-1772, END-21710)
- Audio is not synchronized with video when LifeSize Softphone joins a SIP call at low bandwidth through the Virtual Operator. (UMCU-1965)

- When you move a dialed-out participant from a lower resolution conference to a higher resolution conference, the participant remains at the lower resolution and bit rate. (UMCU-1066)
- When UVC Multipoint dials out to add a new SIP participant, video fails for existing participants until the new participant accepts the call. (UMCU-1060)
- When UVC Multipoint and video devices in the LAN are registered to UVC Transit Server through Transit Client, video systems that join a conference through the Virtual Operator cannot share presentations. (UMCU-590)
- In a 720p30 conference with the audio codec set to G722.1.32 or G722.1.24, LifeSize video devices use the G.711u audio codec when they join. (UMCU-375)
- SIP registrations fail when the DNS on UVC Platform is configured after you enable UVC Multipoint. **Workaround:** Restart UVC Multipoint. (UMCU-175)
- Audio fails when a LifeSize Softphone client joins an H.323 call through the Virtual Operator. (MD-208)
- Calls between UVC Multipoint and clients registered to UVC ClearSea Server fail if the DNS includes only an H.323 SRV record for the UVC Multipoint domain but no A record for the same domain. (UCDC-142)

User Interface/Video

- A LifeSize Icon that joins a shared encoder conference as the first participant is able to change the layout. Because the conference uses a shared encoder, the layouts for all participants are also changed. (UMCU-2556)
- If the system name of a LifeSize 220 series video system changes and the system rejoins a SIP UVC Multipoint conference, the new name does not appear in the video layout. **Workaround:** Reboot the video system. (END-21684)
- Changing user experience settings during an ongoing conference applies only to existing participants, not participants joining after the update. **Workaround:** Update user experience settings after all participants have joined. (UMCU-2390)
- The VP8 video codec available in **Advanced settings** when you create a conference is reserved for future use. (UMCU-1817)

Call Escalation

- Escalating from a UVC ClearSea two-way video call to a 1080p shared encoder conference on UVC Multipoint can result in poor video quality. **Workaround:** For 1080p, use Dedicated Encoder mode on UVC ClearSea. If you must use Shared Encoder mode, use 720p. (UMCU-1523)

Product Limitations

- Part of the welcome message might not play in SIP calls using the Virtual Operator. (UMCU-1429)
- Changing a participant's user experience settings applies the changes also at the conference level. (UMCU-2523)
- When a LifeSize Icon joins a conference through the Virtual Operator, onscreen icons and text do not appear. (UMCU-2082, UMCU-2088)
- Changing the **Announcements** setting for a conference applies only to existing participants, not new participants. **Workaround:** Disconnect all participants and edit Announcements. (UMCU-2395)
- UVC Multipoint uses the first 8 characters in a password for a conference created through the Virtual Operator even if the password is longer than 8 characters. (UMCU-1797)
- Because UVC Multipoint does not restrict the number of incorrect password entry attempts and release the port, the Virtual Operator might continue to consume a port. (UMCU-1813)

Interoperability

LifeSize UVC Multipoint has been tested with the following devices:

Supplier	Products
Cisco	UCM: 9.0.1.10000-37 Skinny client CP-7940: 8.1 (audio calls only) Unified Presence Server: 9.0.1.10000-21 Jabber for Windows: 9.1.0(12296)
Microsoft	Lync Server 2010: 4.0.7577.0 Lync 2010 clients: Windows client (7, 8): 4.0.7577.4356 Mac OS X client (10.6, 10.7, 10.8): 14.0.1(111018) Lync Server 2013: 5.0.8308.0 Lync 2013 clients: Windows client (7, 8): Lync@2013 Preview (15 0.4128.1014) Lync@2013 (15 0.4454.1506) Mac OS X client (10.6, 10.7, 10.8): 14.0.1(111018)
Polycom	Group Series: 4.0.2-40451 HDX Series: 3.1.1.3-36019 VSX Series: 9.0.6.2 Via Video PVX: 8.0.16 RMX: 7.8.0 ViewStation FX V.35 MP: 6.0.5 FX RealPresence Desktop: 2.1.0.28930
Radvision	Scopia XT5000: 03.00.0115 V3_0_115B P10 Gateway: 5.7.2.0.25
ShoreTel	ShoreTel Communicator (Client):13.1 build 18.23.2412 ShoreTel Server:18.23.2412.0
SipX	sipXecs: 4.6.0
Tandberg	SX20 TC6.0.1.65adebe C-Series: TC6.0.1.65adebe Codian 4220 4.4(3.42) VCS Expressway (gatekeeper and SIP functionality only): X7.2.1

Interoperability Issues

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

- Presentations fail from a LifeSize 220 series video system when registered to Transit Server, CUCM, or VCS in a SIP call. **Workaround:** Upgrade the video system to v4.12. (UMCU-2246)

Cisco

- A Cisco C20 might not be able to start a presentation when participating in a conference escalated from a UVC ClearSea call. (UMCU-890)
- Cisco C20 calls fail when SIP TLS is enabled on UVC Multipoint, due to a Cisco issue. (UMCU-1135)
- A presentation from LifeSize ClearSea Client in a 1080p conference might take up to 19 seconds to appear on a Cisco C20. (UMCU-1388)
- Cisco Jabber Client fails to receive a presentation when the client joins an ongoing call with a presentation. (UMCU-2228)

- A UVC Multipoint-hosted conference registered with CUCM fails when it connects with LifeSize Icon. **Workaround:** When registering an Icon with CUCM, disable **Allow Presentation Sharing using BFCP** on the **Phone Configuration** page. (UMCU-1908, PKS-5575)
- Cisco Jabber Client receives blank video in a SIP call through Presence Server integrated with CUCM. **Workaround:** Select **Start** from the client to receive the video. (UMCU-1939)

Polycom

- Calls from Polycom HDX 8000 connect through the Virtual Operator at 64 kb/s. **Workaround:** Dial using the conference ID. (UMCU-249)
- DTMF navigation fails on a Polycom HDX 8000 in a SIP TLS call. (UMCU-1801)
- Polycom systems do not support 720p video at 768 kb/s bandwidth. **Workaround:** To enable a Polycom system to join a 720p conference at 720p resolution, set **Bit rate** to 1152 kb/s when you add the call from UVC Multipoint. (UMCU-913)
- In a dial out call from UVC Multipoint to a Polycom PVX client at a bit rate higher than 512 kb/s, the client fails to receive presentation video with an H.264 presentation codec. (UMCU-1987)

Avaya Radvision

- Video might be corrupted in H.263 conferences with devices on the Radvision P10 Gateway registered to LifeSize Gatekeeper. (UMCU-196)
- Dial out calls to Radvision 5000 fail. (UMCU-2199)

Microsoft

- Microsoft Lync users on Mac clients may experience poor video in Lync conferences in UVC Multipoint. (UMCU-1359)
- Microsoft Lync participants may be dropped when moved from one Lync conference to another. **Workaround:** Dial directly into the conference. (UMCU-1337)
- Microsoft Lync participants may be added to a conference as an audio-only call when they join through the Virtual Operator. **Workaround:** Start video after joining the conference. (UMCU-1212)
- DTMF is not supported in AVMCU calls. (UMCU-1952, UMCU-2295)
- A call fails if conference registration to Microsoft Lync fails and clients attempt to join through the Virtual Operator. (UMCU-1840)
- In an AVMCU cascaded conference, Lync 2013 participants might not receive video from UVC Multipoint when Lync 2010 participants are also present. **Workaround:** Ensure that all participants use the same major version of Lync. (UMCU-2227)
- Because Microsoft Lync Edge Server now allows only one registration from a single source, UVC Multipoint can register to the Edge Server, but individual conferences cannot. If UVC Multipoint and the Microsoft Lync server are in separate networks, direct calls from a Lync client to a UVC Multipoint conference through the Edge Server fail. (UMCU-2528, UMCU-1424)

Workaround: Place your UVC Multipoint in the same network as Microsoft Lync. Alternately, set **Register** to *Off* for all conferences and instruct callers to join through the Virtual Operator:

1. From the Microsoft Lync client, place a video call to the UVC Multipoint user.
2. When prompted by the Virtual Operator, select the conference or enter the conference ID.

ShoreTel

- A ShoreTel client added to a scheduled UVC Multipoint conference fails to connect when the conference starts. (UMCU-2159)
- A ShoreTel client joins as an audio participant in an H.263 call. (UMCU-2149)

Contacting Technical Services

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