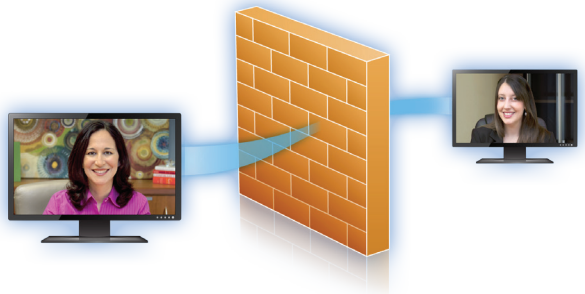
Secure Firewall/NAT Traversal for HD Video Collaboration

LifeSize® UVC Transit™

LifeSize UVC Transit is a complete firewall and NAT traversal solution for secure HD (1080p30) video calls within and across networks. LifeSize UVC Transit ensures a reliable video experience so that you can easily connect with distant offices, vendors and customers.

The LifeSize UVC Transit solution includes the LifeSize UVC Transit Server and the LifeSize UVC Transit Client.



LifeSize UVC Transit Server

The LifeSize UVC Transit Server provides firewall and NAT traversal for LifeSize and other third-party devices. A single LifeSize UVC Transit Server at headquarters can connect to multiple LifeSize UVC Transit Clients at regional offices, providing secure intercompany calling.

LifeSize UVC Transit Client

The LifeSize UVC Transit Client allows all endpoints and network infrastructure devices to be within the private network. Working as a proxy for the LifeSize UVC Transit Server and residing inside the LAN, it renders firewall/NAT traversal services to all video conferencing devices, including legacy endpoints and servers from both LifeSize and third parties.

As a component of your video conferencing infrastructure, LifeSize UVC Transit runs behind the scenes, nearly invisible to end users. It can be deployed alone or in combination with other LifeSize UVC applications on the same hardware or virtual machine.

LifeSize® UVC Platform™

LifeSize UVC Transit is part of the LifeSize UVC Platform, the simplest, most flexible way to get your video infrastructure up and running. For a free 30-day trial of LifeSize UVC Transit or any LifeSize UVC application, visit the LifeSize website.

LifeSize UVC Transit At-a-Glance

Secure	Enables secure intercompany calling
Fewer Ports, Less Risk	Smallest set of open firewall ports needed for SIP and H.323 traversal
Reduced Latency	Supports direct media routing between video systems
Open and Interoperable	Works with LifeSize and third-party video systems
Investment Protection	Integrates with existing gatekeeper and SIP PBX solutions
Flexible Licensing	Scale as your needs grow

System Components

Delivered via LifeSize UVC Platform:

- Rack-mountable LifeSize UVC hardware options
- LifeSize UVC virtual machine software (VMware® or Microsoft® Hyper-V®)

Based on security-hardened Linux® OS

Available as Standard Edition

IPv6 support (SIP only)

Compatibility

SIP firewall/NAT traversal and H.460 software included on all LifeSize video systems

Third-party standards-based H.460 clients

Supports stand-alone gatekeepers and SIP registrars from multiple vendors

Interoperable & Flexible

Interoperable with gatekeeper solutions—LifeSize® UVC Access™ and third-party vendors*

Interoperable with stand-alone SIP PBX solutions

Ability to connect multiple LifeSize UVC Transit Client appliances or virtual machines to a single UVC Transit Server

Includes SIP registrar—500 registrations

Flexible Licensing on UVC Transit Server & UVC Transit Client

Ability to increase traversal capacity as needed

Load additional traversal licenses as needed

Deploy with other LifeSize UVC applications on the same virtual machine or hardware**

Free trial: 5 Full HD (1.7 Mbps) traversals

Protocols

H.323, H.460.18, H.460.19, SIP, UDP, TCP, HTTPS, STUN, TURN, ICE, H.235, SIP TLS

Firewall/NAT Traversal

SIP and H.460 firewall/NAT traversal in a single solution

Supports direct media between devices where possible

Supports STUN/TURN/ICE for H.323 and SIP in LifeSize devices

Supports H.323 and SIP tunneling

Security

Supports H.235 and SIP digest authentication, SIP TLS

Supports static NAT deployment for UVC Transit Server

Secure access to configuration via HTTPS

Supports encrypted calls via LifeSize Transit

Supports secure one-port firewall/NAT traversal solution

Supports H.323 tunneling for improved call completion rates

Supports Active Directory/LDAP-based user management

Allow/deny list

Secure Linux-based solution

Virtualization Support

Microsoft® Hyper-V®

vmware® READY

Diagnostics

Event and call logging (Syslog support)

SNMP traps and email alerts from UVC Transit Server and UVC Transit Client

Web-based firewall port verification tool

Advanced dashboard for server monitoring

LifeSize UVC Virtual Machine, Capacity, Hardware Configuration, Storage and Environmental Data

Please refer to the LifeSize UVC applications datasheet for details

System Management

Multilingual web user interface (10 languages)

SSH access for diagnostics

Built-in deployment wizard

Out-of-box configuration menu

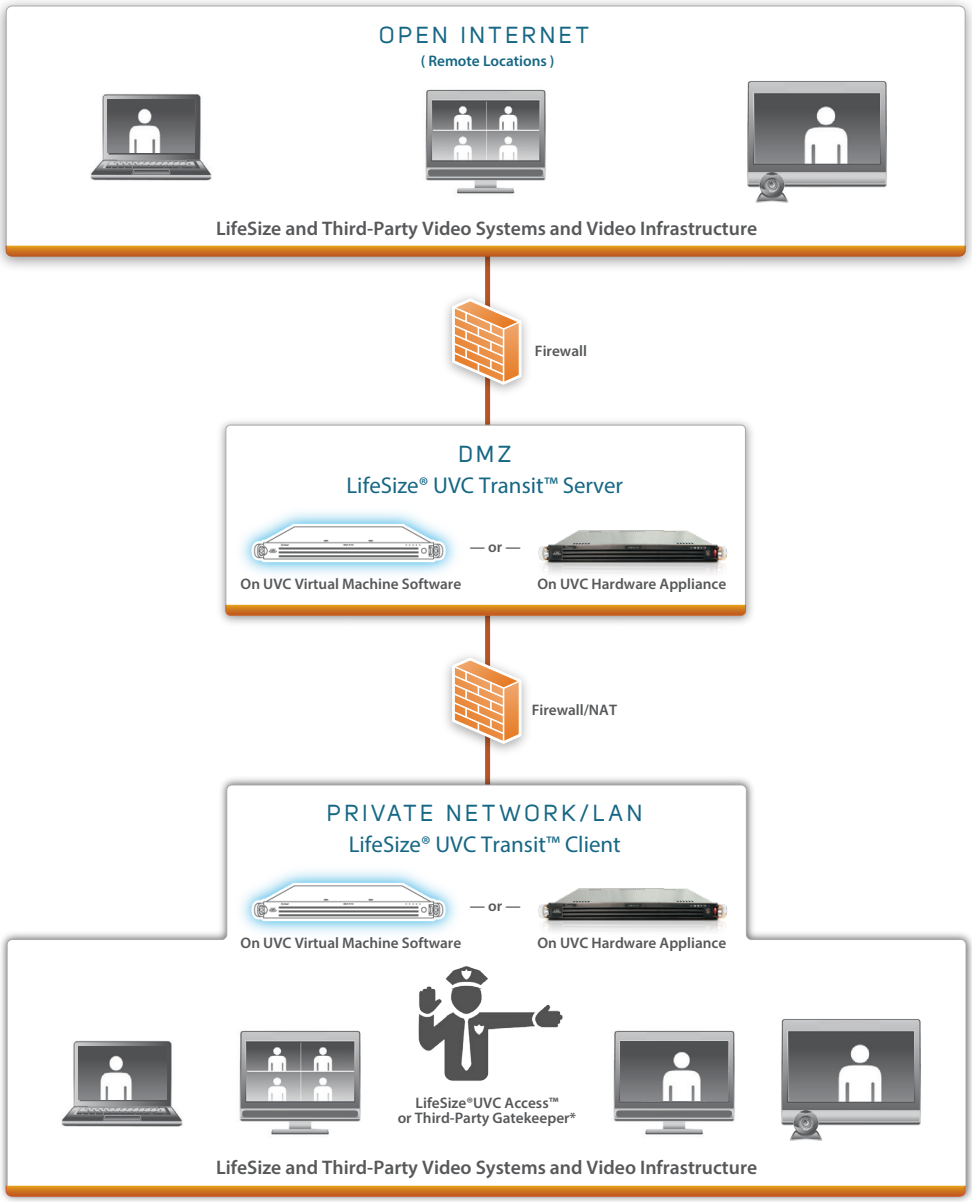
Firmware update tool

Supports backup and restore of configuration and user accounts

Advanced call control

Management support—LifeSize® Control™ and LifeSize® UVC Manager™

LifeSize UVC Transit Firewall/NAT Traversal Deployment Scenario



*LifeSize UVC Access or a third-party gatekeeper is required to support H.460 firewall/NAT traversals.
**LifeSize UVC Transit Server and UVC Transit Client cannot be deployed on the same instance.

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Delivering the Ultimate Communication Experience

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