

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.

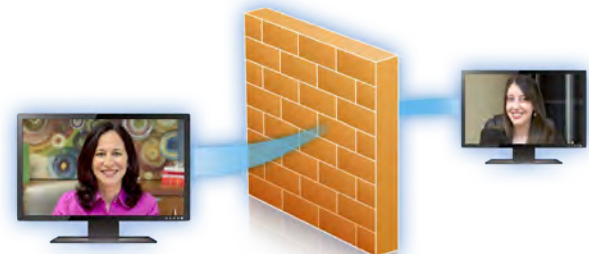
LifeSize UVC Transit Client

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
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
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

*LifeSize UVC Access or a third-party gatekeeper is required to support H.460 firewall/NAT traversals.

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

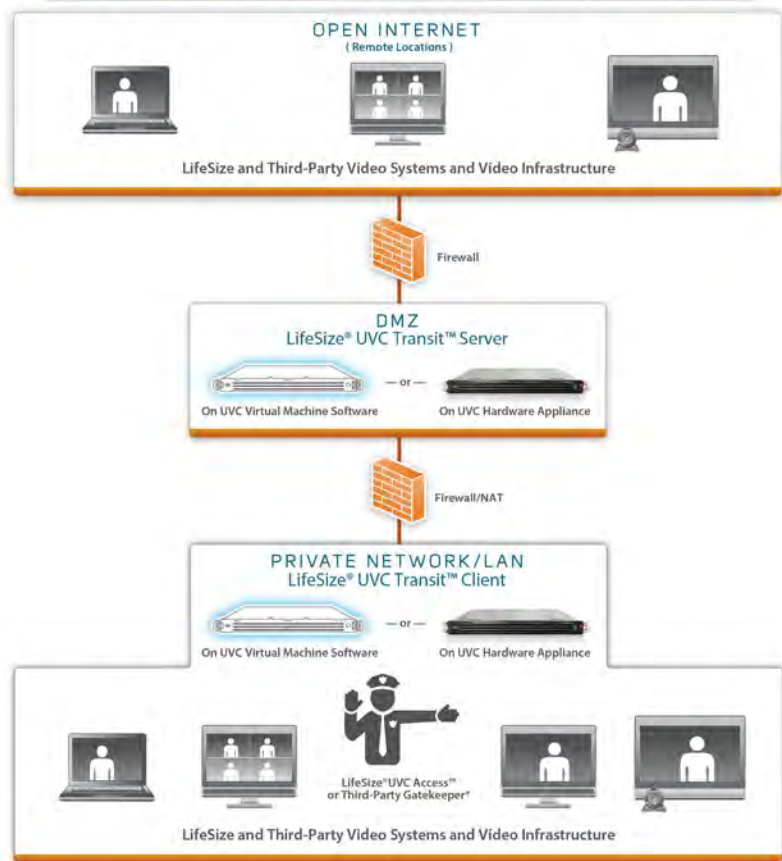
LifeSize UVC Virtual Machine, Hardware Configuration, Storage and Environmental Data

Please refer to the LifeSize® Infrastructure specifications 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



Capacity Limits

	LifeSize UVC 1150 Hardware	LifeSize UVC 3350 Hardware	LifeSize UVC 3380 Hardware	LifeSize UVC Virtual Machine ¹	Trial Mode (Virtual Machine) ¹
LifeSize UVC Transit Server ²	85 Full HD traversals	85 Full HD traversals	85 Full HD traversals	(6 vCPU) 80 Full HD traversals	(6 vCPU) 5 Full HD traversals
LifeSize UVC Transit Client ²	85 Full HD traversals	85 Full HD traversals	85 Full HD traversals	(4 vCPU) 80 Full HD traversals	(4 vCPU) 5 Full HD traversals

NOTE: Virtual machine configuration values are based on actual test results using a dual socket E5-2650 processor (Sandy Bridge), 32 GB RAM, with Hyper-threading enabled. Hyper-threading is required to achieve desired performance levels. Enabling Hyper-threading doubles the number of physical cores in both VMware ESXi and Microsoft Hyper-V and is represented as vCPUs. Both VMware and Microsoft license their virtualization technology based on the vCPU capacity. Performance results will vary with other configurations.

¹Capacity tested on ESXi 5.1/5.5 and Hyper-V 2.0/3.0.

²LifeSize UVC Transit Server and LifeSize UVC Transit Client cannot be deployed on the same instance.

Virtualization Support



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Delivering the Ultimate Communication Experience

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