

Secure Firewall/NAT Traversal for HD Video Collaboration

LifeSize[®] UVC Transit[™] is a complete firewall and NAT traversal solution that enables secure Full HD (1080p30) video calls within and across networks so that you can connect securely with distant offices, vendors or customers. With standards-based H.460 and SIP firewall/NAT traversal, LifeSize UVC Transit ensures a reliable video experience inside and outside your organization.



The LifeSize UVC Transit solution, available on the LifeSize[®] UVC Platform[™], includes the UVC Transit Server and Transit Client. Together, they make IP video more secure, more scalable and easier to manage.*

LifeSize[®] UVC Transit[™] Server

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

LifeSize[®] UVC Transit[™] Client

The LifeSize UVC Transit Client preserves network topology, allowing 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, LifeSize and third parties.

Ultimate Control and Flexibility

LifeSize UVC Transit offers flexible licensing so you can buy the capacity you need today and scale as you grow—thus ensuring improved utilization of IT resources and dollars.

LifeSize UVC Platform

LifeSize UVC Transit is part of the LifeSize UVC Platform, which consolidates the capabilities of multiple single-purpose video infrastructure products and makes them instantly accessible from one common interface. Available as virtual machine software or hardware, the UVC Platform enables immediate deployment of UVC Transit Server or UVC Transit Client, with an easy try-before-you-buy option.

Deploy LifeSize UVC Transit in combination with other UVC applications on the same hardware or virtual machine. Today, with LifeSize UVC Transit, connecting to customers, suppliers, partners and colleagues around the globe has never been easier or more cost-effective.

LifeSize UVC Transit Key Features

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 between video systems where possible

Multiprotocol Support

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

Accelerated Deployment

Deploy within minutes on LifeSize UVC Platform

Open and Interoperable

Works with LifeSize and third-party video systems

Investment Protection

Integration with existing gatekeeper & SIP PBX solutions

Product Specifications

LifeSize® UVC Transit™



System Components

Available as

- LifeSize UVC Platform virtual machine software
- Rack-mountable LifeSize® UVC 1100 hardware

Delivered via LifeSize UVC Platform

Standards-based H.460 & STUN, TURN, ICE server

Based on security-hardened Linux OS

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

Flexible Licensing** on UVC Transit Server and UVC Transit Client

Ability to increase traversal capacity as needed

Supports up to 50 Full HD traversals

Load additional traversal licenses as needed

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

Software license installable on UVC hardware or virtual machine***

Trial Mode: 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 & 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, available as a hardware appliance and virtual machine software

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

Usability & Management

Multilingual web user interface (10 languages)

SSH access for diagnostics

Out-of-box configuration menu

Firmware update tool

Supports backup and restore of configuration and user accounts

Managed with network management software such as LifeSize® Control™

Advanced call control

LifeSize UVC Virtual Machine Software

Supported on VMware ESXi 4.0 and higher

vCPU: 4, vRAM: 6 GB, Disk space: 100 GB

Network interfaces: 10/100/1000 Ethernet adapter

Configurable by administrator

LifeSize UVC 1100 Hardware Configuration

Rack mountable (1U)

Dimensions: 17.2"W x 1.7"H x 19.8"D

Dual GigE Network Adapters, 2 x RJ-45

Redundant hard drives, MD RAID 10

Power: AC voltage: 100–240V, 50–60 Hz, 5A max

LifeSize UVC 1100 Environmental Data

Operating temperature: 10°C (50°F) to 35°C (95°F)

Operating humidity: 20% to 95%, noncondensing

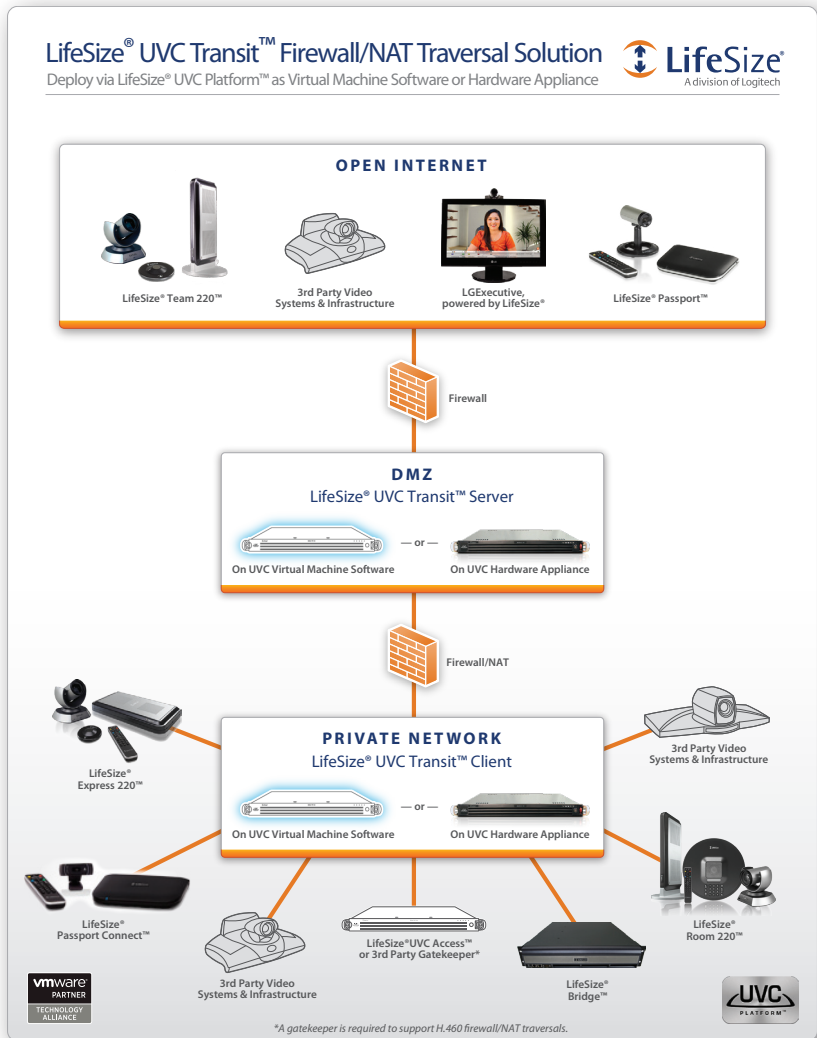
Storage temperature: -40°C (-40°F) to 70°C (158°F)

Storage humidity: 5% to 95%, noncondensing

Weight: 17.2 kg (38 lbs)

Sustained load = 249 watts (850 BTU/hr)

Idle = 135 watts (461 BTU/hr)



*A gatekeeper is required to support H.460 firewall/NAT traversals.

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

**For capacity updates, see the UVC Platform Deployment Guide on the support page of the LifeSize website.

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



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