LifeSize® A division of Logitech

⇌ LifeSize® Transit™

Secure Firewall/NAT Traversal for HD Video Collaboration

LifeSize® Transit™ is a complete firewall and NAT traversal solution that enables secure Full HD (1080p30) video calls within and across networks. With standards-based H.460 and SIP firewall/NAT traversal, plus six deployment models to choose from, LifeSize Transit ensures a reliable video experience inside and outside your organization.

All LifeSize video systems include both H.460 and SIP firewall/NAT traversal software at no additional licensing fee, enabling firewall/NAT traversal capability when LifeSize Transit Server is available.

The LifeSize Transit solution is composed of the Server and Client appliances, each available as hardware or virtualized software, which together make IP video more accessible, scalable and easier to manage within your IT environment.

LifeSize® Transit™ Server
The LifeSize Transit Server provides signaling, media, SIP registrar and gatekeeper services in a single appliance. The embedded gatekeeper and SIP registrar can handle up to 500 device registrations.
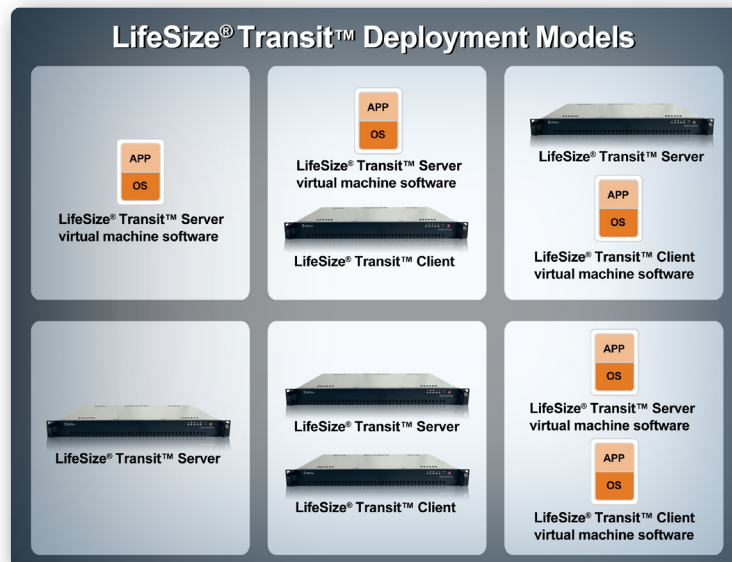
LifeSize® Transit™ Client
The LifeSize Transit Client appliance helps preserve network topology, allowing all endpoints and network infrastructure devices to be within the private network. Working as a proxy for the LifeSize Transit Server and residing inside the LAN, it renders firewall/NAT traversal services to all video conferencing devices, including legacy endpoints and servers.

The Virtualized Advantage: Ultimate Flexibility
Both LifeSize Transit Server and LifeSize Transit Client are available as virtual machine software, with all the features and functionality available on the hardware appliance. The virtual machine software has been specifically designed to run on VMware® virtualization technology, which speeds deployment, saves space, reduces costs and delivers fast, easy scalability. Any combination of virtual machine software and hardware can be used to reduce complexity and provide seamless firewall/NAT traversal to all video conferencing devices in the private network.

The Result—Secure Connections on Your Own Terms

LifeSize® Transit™ Deployment Models

LifeSize® Transit™ Server virtual machine software

APP
OS
LifeSize® Transit™ Server virtual machine software
LifeSize® Transit™ Client

LifeSize® Transit™ Server
APP
OS
LifeSize® Transit™ Client virtual machine software

LifeSize® Transit™ Server

LifeSize® Transit™ Server
LifeSize® Transit™ Client

APP
OS
LifeSize® Transit™ Server virtual machine software
APP
OS
LifeSize® Transit™ Client virtual machine software

LifeSize Transit Key Features

Full HD Quality	**Up to 20 simultaneous 1080p30 (1.7 Mbps) calls**
Flexible	**Available as hardware or virtual machine software with six deployment options**
Multi-Protocol Support	**H.323: H.460.18, H.460.19 SIP: STUN, TURN, ICE, UDP, TCP, HTTPS**
Simplified Web UI	**Intuitive design and functionality for seamless navigation**
Easy Dialing	**URI addressing with DNS resolution & gatekeeper dialing**
Scalable	**Multiple Transit Clients can connect to a single Transit Server and endpoints**
Secure	**Can be deployed behind a static NAT with support for H.235 and SIP TLS**
Fewer Ports, Less Risk	**Smallest set of ports for SIP and H.323 traversal**
Standards-Based	**Interoperable with LifeSize and non-LifeSize video codec endpoints and infrastructure**

Product Specifications
LifeSize® Transit™

System Components
Standards-based H.460 server
Embedded gatekeeper & SIP registrar
Signaling, media and registrar services for 500
Up to 20 simultaneous Full HD (1080p30) 1.7 Mbps calls

Compatibility
SIP firewall/NAT traversal and H.460 software included
   on all LifeSize video systems
Third-party standards-based H.460 clients
Support for gatekeepers from multiple vendors

Scalability
Ability to neighbor embedded gatekeepers in each
   LifeSize Transit Server
Ability to connect multiple LifeSize Transit Client
   appliances or virtual machines to a single Transit
   Server

Architecture
Secure Linux-based solution, available in appliance &
   virtual machine software architectures
Flash memory (diskless)
Support for H.323 tunneling for improved call
   completion rates

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
Support for direct media

Security
Support for H.235 authentication & SIP TLS
Support for static NAT deployment
Secure access to configuration via HTTPS
Support for encrypted calls via LifeSize Transit

Management
Serial console, out-of-box configuration menu
Event and call logging, Syslog
SNMP traps from LifeSize Transit Server and Transit Client
Deployment and diagnostic tools
Advanced dashboard for monitoring LifeSize Transit
   Server and Transit Client
Managed with network management software such as
   LifeSize® Control™

System Controls
Power on, power off and reset button
Power LED, flash disk access LED
2x network activity LED, system overheat/fan failure LED

Embedded SIP Registrar for Directory Services
Support for 500 registered endpoints
SIP-based URI addressing with DNS resolution
SIP registrar can support SIP devices within and outside
   the company

Embedded Gatekeeper for H.460 Services
Support for 500 registered endpoints
Gatekeeper can support devices inside and outside the
   organization
Gatekeeper supports neighboring to enable additional
   dial plans

Virtual Machine Requirements
VCPU: 2
Memory: 2 GB
Disk space: 2 GB
Network interfaces: 10/100/1000 Ethernet adaptor
OS Installed: Ubuntu server
Supported on VMware ESXi 4.0 and vSphere 4.0

Hardware Appliance: Network Interfaces
10/100/1000 Ethernet adaptor RS-232 console interface

Hardware Appliance: Power
AC voltage 100–240V, 50–60 Hz, 4–2 amp max

Hardware Appliance: Physical Dimensions
Height: 43 mm/1.7 in
Width: 426 mm/16.8 in
Depth: 356 mm/14 in
Weight: 5.3 Kg/11.7 lbs
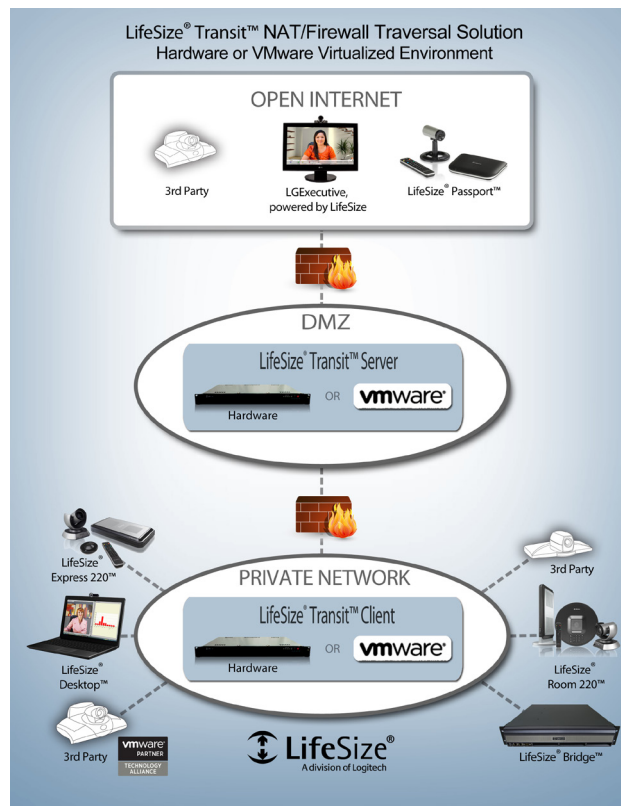
Hardware Appliance: Environmental Data
Operating temperature: 10°C (50°F) to 35°C (95°F)
Operating humidity: 8% to 90%, non-condensing
Storage temperature: -40°C (-40°F) to 70°C (158°F)
Storage humidity: 5% to 95%

Heat Output
AC Power—Sustained Load: 83 Watts, 282 BTU/hr
AC Power—Idle: 55 Watts, 186 BTU/hr

vmware® PARTNER
TECHNOLOGY ALLIANCE

LifeSize® Transit™ NAT/Firewall Traversal Solution
Hardware or VMware Virtualized Environment

OPEN INTERNET

3rd Party   LGExecutive, powered by LifeSize   LifeSize® Passport™

DMZ

LifeSize® Transit™ Server
Hardware   OR   vmware®

PRIVATE NETWORK

LifeSize® Transit™ Client
Hardware   OR   vmware®

LifeSize® Express 220™
LifeSize® Desktop™
3rd Party
LifeSize® Room 220™
3rd Party
vmware® PARTNER TECHNOLOGY ALLIANCE
LifeSize® A division of Logitech
LifeSize® Bridge™