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
**Product Specifications**

**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 overhear/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 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