



Experience Communication in High Definition

⇒ LifeSize® Gateway™



## Enterprise-Class Gateway

LifeSize® Gateway™ is a plug and play gateway that provides compatibility and interoperability between different networks and standards to deliver feature-rich, reliable and high quality video and multimedia communications.

LifeSize Gateway is ideal for video communications where end points connected to ISDN or private networks are required to communicate with end points connected to the IP networks. Alternately, LifeSize Gateway can help connect any system on any network.

( Connect to anyone, anytime, pure and simple )

And LifeSize Gateway is part of a complete infrastructure solution from LifeSize which includes LifeSize Gateway PRI or Serial, LifeSize® Gatekeeper™ for IP communications management, LifeSize® Transit™ for firewall and NAT traversal and LifeSize® Control™ for multi-vendor video management software.

High performance. Standards-based. High reliability.  
Enterprise-class gateway solutions make communication simple.

## The Advantages are Clear

**Standards Based** — Complete, guaranteed interoperability with standards-compliant gatekeepers, terminals, and MCUs for complete connectivity independent of protocol or device type

**Scalable** — Designed for use in distributed or centralized environments with the flexibility and scalability to ensure right-sized capacity

**Supreme Reliability** — Network-wide detection and automatic recovery of communications and resources

**Intelligent Management** — Enables optimal utilization of available resources and network services

**Intuitive Navigation** — Plug-and-play device and web-based user interface for centralized management

**High Quality, Uncompromised Video Communications** — Supports high definition quality and other resolutions as well as other video, voice and data communications using advanced DSP technologies

# Product Specifications

## Configurations

LifeSize Gateway PRI  
LifeSize Gateway Serial

## PRI Gateway System Capacity E1

60 Voice Calls  
30 Video Calls @ 128Kbps  
10 Video Calls @ 384Kbps  
4 Video Calls @ 768Kbps  
2 Video Calls @ Full E1

## PRI Gateway System Capacity T1

46 Voice Calls  
23 Video Calls @ 128Kbps  
7 Video Calls @ 384Kbps  
3 Video Calls @ 768Kbps  
2 Video Calls @ Full T1

## Serial Gateway System Capacity

4 Video Calls up to 2Mbps

## Serial Gateway Interfaces

V.35/RS366-DTE  
EIA5449/RSS366-DTE  
EIA-530/RS366-DTE  
EIA-530/RS366-LOS-DTE  
KIV7/RS366-DTE

## Network Protocols

H.323 over IP  
H.320 over ISDN  
H.320 over V.35/RS449/EIA-530/EIA-530A/DCE & DTE  
H.240 conference control

## Video Protocols

H.261  
H.263  
H.263+  
H.263++  
H.264

## Video Resolution

HD  
16CIF  
4CIF  
CIF  
QCIF

## Audio protocols

G.711  
G.722  
G.722.1  
G.723.1  
G.728

## Audio Transcoding

G.728<>G.711  
G.711<>G.723

## Data Protocols

T.120  
T.281 FECC  
H.239 Dual Video  
Tandberg DuoVideo

## Line Echo Cancellation

## Call bonding (PRI)

ISDN call bonding of up to 2MB (E1)  
1.5MB (T1) on PRI connections  
Downspeeding support

## Management

SNMP – multiple  
HTTP – embedded web server

## Call Routing

Built-in Interactive Voice Response (IVR)  
Direct Inward Dialing (DID)  
TCS4  
Default extension for operator assistance  
Flexible/configurable IP dial plan  
RS366 signaling (Serial)

## Encryption

H.235 AES/DES <sup>1</sup>

<sup>1</sup> Port capacities when using encryption are reduced by half on the PRI gateway

## Network and Reliability Support

Dynamic routing of IP calls to neighboring gateways based on resource availability  
Downspeeding support  
Network optimization for high call completion  
H.320 line related auto registration  
Network Specific Facility (NSF)  
QoS support with DiffServe, IP TOS, and precedence  
Advanced IP packet handling ensuring high quality communications  
Fast connect for voice calls  
Redirect (PRI) in ISDN-to-IP calls, the gateway will forward to the destination IP terminal caller ID and redirecting endpoint details

## Power

AC Voltage 100 – 240V, 50-60 Hz

## System Design

Physical Dimensions  
19-inch, rack-mountable closed unit of 1U height

## Environmental Data

Operating temperature: 0°C (32°F) to 40°C (104°F)  
Operating humidity: 5% to 90%, non-condensing  
Storage temperature: -25°C (-13°F) to 70°C (158°F)

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April 2007.

