The Absolute Highest Quality Multiparty Video Calling Experience

LifeSize® Bridge™

LifeSize Bridge is a hardware-based multiparty calling solution for on-demand and scheduled video meetings. This powerful, purpose-built MCU delivers the industry's most reliable HD viewing experience at an unrivaled price/performance.

More Options, Larger Calls

To meet the needs of multiparty, collaborative conferencing, LifeSize Bridge is available with 8, 12 or 16 ports. For large-capacity calls, LifeSize Bridge can be expanded to include up to 48 participants on a single call or hundreds of participants when cascading multiple bridges.

Cluster Multiple LifeSize Bridges for High Availability

With LifeSize Bridge, there is no worry about port availability or downtime. LifeSize Bridges can be connected via a high-availability clustering license, which allows multiple bridges to act as a single device. If there's an outage or failure, another bridge automatically takes over. Clustered bridges are easy to manage, as they have one administrative interface and one dial plan for end users. Plus, there's no additional hardware to purchase and install.

Simple and Easy to Use

Interoperable and standards-based, the easy-to-set-up and easy-to-use LifeSize Bridge can be deployed and clustered worldwide. Meetings can be scheduled or on demand, and every employee can have a virtual meeting room with a dedicated address.

LifeSize Bridge creates the world's highest quality and most true-to-life collaborative environment. We invite you to see the difference.

LifeSize Bridge At-a-Glance

Unrivaled Price/ Performance	1080p30 and 720p60 at the lowest cost per port in the industry
Dedicated Encoder per Participant	Any codec, speed, resolution, layout and port without loss of capacity or capability
Licensed Port Capacity	Start at 8 ports and grow 4 ports at a time (8, 12, 16)
Expanded Capacity	48-way 1080p30 calling with Expanded Conference License, or hundreds of callers when cascading bridges
High-Availability Clustering	Pool up to 10 bridges for always-on availability
Simplified Management	Single administrative interface for multiple clustered bridges
Flexible Meetings	Support for both scheduled meetings and on-demand HD virtual rooms
Intuitive Interface	Easy-to-use drag-and-drop management utility

Capacity Models

8 ports upgradable to 12 and 16 ports

12 ports upgradable to 16 ports

16 ports upgradable with Expanded Conference mode, allowing up to 48 participants in a single meeting

Cascading multiple bridges supports hundreds of participants while also conserving bandwidth

High-Availability Clustering

Cluster up to 10 LifeSize Bridge 2200s. Available on an 8-, 12- and 16-port LifeSize Bridge (requires a clustering license for each bridge)

Delivers pooled port capacity, single interface for administrators, single dial plan for end users and redundancy with automatic call failover

Communication Protocols & Video Standards

H.323, SIP, H.320 (ISDN) via LifeSize® Networker™ through a gatekeeper

H.264, H.263, H.261

Video Performance

Encoder per participant delivers any resolution, frame rate or bandwidth for each participant

Video bandwidth: 128 Kbps to 4 Mbps per port

Video resolutions: 1080p30/720p60 through widescreen CIFp30/p60

128 Kbps (432x240)p30 widescreen CIF

384 Kbps (912x512)p30 cable TV

512 Kbps (1072x608)p30 DVD resolution

768 Kbps (1280x720)p30 True HD

1.1 Mbps (1280x720)p60 True HD

1.7 Mbps (1920x1080)p30 Full HD

Audio Standards & Performance

AAC-LC, G.722.1c 48 Kbps, 32 Kbps, 24 Kbps (Siren 14), G.722.1 32 Kbps, 24 Kbps (Siren 7), G.722, G.711 (μ-law), G.711 (A-law)

DTMF tone detection (in-band and RFC2833)

Wideband audio mixing

Automatic background speaker volume reduction

8, 12 or 16 additional audio-only ports (depending on model)

Presentation Standards & Protocols

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

H.239, BFCP (Binary Floor Control Protocol)

Data sharing supports standard video system resolutions without affecting port capacity

Localization

Unicode conference and site name support with 15 user-selectable languages

Virtual Operator

Guides video participants through conference selection

Prompts audio participants for conference ID and PIN

Allows for temporary ad hoc conferences

Layouts

Unique layout per participant

12 continuous-presence layouts with drag-and-drop placement per participant

Multiple continuous-presence layouts with voice-activated switching occupying up to 4 main windows

DTMF tone and far-end camera control (FECC) to select layouts

Automatic layouts based on number of participants

On-Screen Overlays

Text overlay temporarily or permanently displays participants' names. Audio-only participant name shown when speaking. Mute icons for endpoint audio, admin audio, and video

Interactive overlay: enable and disable self-view, speaker order, status indicators, mute video, announcements, camera control navigation, permanent site names

Select from 15 supported languages and control the text insert positioning

Conference Control from the Endpoint

Direct dial-in via H.323 or SIP

Selectable FECC or DTMF tone control

12 selectable layouts for each participant

Automatic speaker placement into prominent window

Individual control to place any participant into the prominent window

Conference Support

Schedule conferences for up to 48 participants with the Expanded Conference License on the 16-port LifeSize Bridge

Cascade and lecture conferences

Scheduled and triggered outbound dialing

Conference registration to gatekeepers and SIP PBXs

Unlimited on-demand virtual meeting rooms

Up to 10,000 custom on-demand virtual meeting rooms

Automatic call escalation from LifeSize® ClearSea™ (version 3.1 or higher) or LifeSize® UVC ClearSea™, sold separately

LifeSize Bridge Utility

Adobe® Air™ management application for bridge configuration, control and management on Microsoft® Windows™ and Apple® OSX™

3 login levels: Administrator, User and Support

Drag-and-drop calendar scheduler

LifeSize Bridge Utility Conference Control

Live conference management with individual- and conference-level controls for:

- Audio and video (mute/unmute)
- Layout selection with layout lock
- Adding participants via outbound dialing
- Termination (entire conference or participant)
- User experience settings (self-view, speaker order, status indications, announcements, navigation, text inset)
- Individual statistics reporting
- Drag-and-drop participant management

System Management

LifeSize Bridge Utility application

WSDL management API for third-party management

IPV4 video processing and conference management

IPV6 video processing only (not available when clustering)

LifeSize Management Support

LifeSize® Manager™ and LifeSize® Control™: conference setup and initiation, hardware health monitoring

LifeSize Control only: Microsoft® Exchange®, Google® Mail® integration

Security

PIN-protected conferences

H.235 AES and SRTP/TLS encryption

FIPS-compliant H.235 encryption mode

HTTPS secure management

Quality of Service

QoS support with Diffserve and TOS/IP precedence

Network redundancy supporting NIC bonding failover (with switches that support IEEE 802.1AX-2008)

Adaptive motion control (AMC), including forward error correction (FEC)

Logging

Syslog for diagnostics with control over audio, communications, database, license manager, scheduler, system administration, system information, system status, timer, user interface and video verbosity

Call detail records

Infrastructure Support

External gatekeeper and SIP PBX conference registration

NAT/firewall traversal via LifeSize® Transit™ Client/Server

NTP (Network Time Protocol) support

External Syslog support

LifeSize Networker support via gatekeeper

Interfaces

4 RJ45 Ethernet, 10/100/1000 Mbps full/half duplex, manual or auto sensing, with VLAN tagging

DB9 serial port for RS-232 configuration

Smart diagnostics LED

Recessed reset button

Power

AC voltage 100–240V, 50–60 Hz

Chassis Specifications

2U 19-inch rack-mountable with flanges

Height: (2U) 87 mm (3.34")

Width: 450.56 mm (17.74") without flanges

Width: 484.64 mm (19.08") with flanges

Depth: 513.12 mm (20.20")

Weight: 12.70 kg (27.99 lbs)

Environmental Data

Operating temperature: 0°C (32°F) to 40°C (104°F)

Operating humidity: 15% to 85%, noncondensing

Storage temperature: –20°C (–4°F) to 60°C (140°F)

Storage humidity: 10% to 90%, noncondensing

Regulatory Model Number

LifeSize® Bridge™ 2200 = LFZ-016

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Delivering the Ultimate Communication Experience

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