

Unrivaled HD quality, flexibility and price/performance for multiparty video conferencing

## Build Your Intelligent Video Network.

LifeSize Bridge redefines HD video conferencing for large multiparty calling. LifeSize Bridge scales intelligently with your organization's communication needs while providing unmatched quality and groundbreaking price/performance for multiparty HD video communications with up to 48 participants on a single call.

LifeSize Bridge offers a low-risk, cost-effective platform to modularly extend HD video conferencing to more people and with the lowest TCO in the industry.

Interoperable and standards-based, the easy-to-set-up and easy-to-use LifeSize Bridge can be deployed where you need it most. LifeSize Bridge supports any codec, frame rate, call speed or resolution without loss of capacity or capability.

To meet the needs of multiparty, collaborative conferencing, LifeSize Bridge is available with 16 ports. Its flat capacity and symmetric HD video support ensure a consistent, immersive HD quality experience every time, delivering predictive video communications inside and outside your organization.

LifeSize Bridge can be deployed using scheduled calls, on-demand calls or a hybrid of both, thereby providing maximum flexibility for system administrators. With logical call layouts, data-sharing and continuous presence coupled with voice-activated switching, LifeSize Bridge creates a true-to-life conference environment.

### LifeSize Bridge.

The Foundation for Your Intelligent Video Network



## LifeSize Bridge Key Features

**Unrivaled Price/Performance**

1080p30, 720p60, 720p30 at the lowest cost per port in industry

**Expanded Capacity**

Up to 48 participants with Expanded Conference License

**Modular**

Any codec, any speed, any resolution, any layout and any port without loss of capacity or capability

**Flexible**

Support for scheduled and/or on-demand HD video calls

**Simple to Use**

Direct conference dialing, outbound dialing and Virtual Operator

**Intuitive Interface**

Easy-to-use calendar interface for scheduling

**Standards-Based**

Supports video devices from LifeSize<sup>®</sup> and other vendors

**Flat Capacity**

Encoder per participant delivers HD for up to 16 participants

## Call Capacity

16 participants, flat capacity  
Audio and video share 16 ports. Up to 16 participants at any resolution, frame rate, bandwidth  
Expanded conference mode with 48 participants in a single conference call (LifeSize Expanded Conference License required, separate purchase)

## Communication Protocols

H.323, SIP  
H.320 (ISDN) connectivity in conjunction with LifeSize Networker™ through a gatekeeper

## Video Standards

H.264, H.263, H.261

## Video Bandwidth

128 Kbps to 4 Mbps per port

## Video Resolutions and Frame Rates

1080p30 through widescreen CIFp30  
720p60 through widescreen CIFp60

## Video Performance

All resolutions at 30 frames per second except 60 frames per second where noted. Maximum resolutions widescreen 16:9 aspect ratio.  
128 Kbps (432x240 pixels) widescreen CIF  
384 Kbps (912x512 pixels) cable TV  
512 Kbps (1072x608 pixels) DVD resolution  
768 Kbps (1280x720 pixels) True HD  
1.1 Mbps (1280x720 pixels @ p60) True HD  
1.7 Mbps (1920x1080 pixels) Full HD

## Audio Standards

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)

## Audio Performance

Wideband audio mixing  
Automatic background speaker volume reduction

## Presentation Protocol

H.239  
SIP dual video (LifeSize only)

## Presentation Standards

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

## Presentation Resolutions

H.239 data sharing supports standard video system resolutions without affecting port capacity

## Localization

Unicode conference and site name support 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

12 continuous presence layouts available  
Multiple continuous presence layouts with voice-activated switchers occupying up to 3 main quadrants  
Unique layout per participant  
DTMF tone and far-end camera control to switch layouts.  
Automatic layout selection based on the number of participants  
Selectable text inset percentage to adjust for TV overscan

## On-Screen Overlays

Text overlay displays participants' names. Audio only, active speaker name. Icons for endpoint audio mute, administrative audio mute and video mute

## Interactive Overlay

Enable and disable self-view, speaker order, status indicators, mute video, announcements, camera control navigation  
Select from 15 supported languages and control the text inset positioning

## Conference Control from the Endpoint

Direct dial-in via H.323 or SIP call string  
Selectable far-end camera control or DTMF tone-based management  
12 selectable continuous presence layouts  
Automatic speaker placement into prominent window  
Individual control to place any participant into the prominent window

## Conference Support

Schedule conferences with 2–16 participants or 48 participants with the Expanded Conference License (separate purchase required)  
Schedule automatic outbound dialing  
Up to 40 on-demand conferences  
Conference registration to gatekeepers and SIP PBX's  
Individual conference customization  
Scheduled and on-demand layout control

## LifeSize Bridge Utility

Adobe® Air™ application for managing the bridge via Microsoft® Windows™ and Apple® OS™  
3 login levels: Administrator, User, and Support  
Complete system configuration, control and monitoring of conferences and bridge  
Drag-and-drop calendar scheduler  
Live conference management with individual and conference level controls

## Conference Control from the LifeSize Bridge Utility

Entire conference and individual control over:  
- Audio and video (mute/unmute)  
- Layout selection with layout lock  
- Add participants via outbound dialing  
- Termination (entire conference/individual)  
- User expertise settings (self-view, speaker order, status indications, announcements, navigation, text inset)  
Individual statistics reporting

## System Management

LifeSize Bridge Utility  
WSDL management API for third-party management  
LifeSize® Control™ support  
- Microsoft® Exchange™ Integration  
- Google® Mail™ integration  
- Conference setup and initiation

## Security

PIN-protected conferences  
H.235 AES and SRTP/TLS encryption for secure conferences  
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)

## 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 conference registration  
SIP PBX conference registration  
NAT/firewall traversal via LifeSize® Transit™ Client  
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 initial configuration and diagnostics  
Smart LED  
Recessed reset button

## Power

AC voltage 100–240VAC, 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%, non-condensing  
Storage temperature: -20°C (-4°F) to 60°C (140°F)  
Storage humidity: 10% to 90%, non-condensing

## Regulatory Model Number

LifeSize® Bridge™ 2200 = LFZ-016