

**Unrivaled HD quality and price/performance for multiparty video conferencing**

## Build Your Intelligent Video Network

LifeSize Bridge redefines HD video conferencing for large, multiparty calling. This powerful MCU scales intelligently with your organization's communication needs while providing unmatched quality and groundbreaking price/performance for multiparty HD video communications.

Especially designed for high-profile meetings where quality is paramount, LifeSize Bridge offers a cost-effective platform to modularly extend HD video conferencing to more people.

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. 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.

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 the industry

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

**Expanded Capacity** 48-way 1080p30 calling with Expanded Conference License, or hundreds of callers when cascading bridges

**Flexible** Support for scheduled and on-demand HD video calls

**Simple to Use** Multiple connectivity options and full layout control

**Intuitive Interface** Easy-to-use drag-and-drop management utility

**Standards-Based** Supports video devices from LifeSize and other vendors

## Call Capacity

16 flat-capacity ports at any resolution, frame rate or bandwidth for audio and video participants  
Expanded conference mode with up to 48 participants on a single LifeSize Bridge  
Cascading multiple bridges supports hundreds of participants while also conserving bandwidth

## 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 where noted to be 60 frames per second; 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 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

12 continuous-presence layouts with drag-and-drop placement per participant  
Multiple continuous-presence layouts with voice-activated switchers occupying up to 3 main quadrants  
Unique layout per participant  
DTMF tone and FECC to select layouts  
Dynamic layouts based on number of participants  
TV overscan adjustment control

## 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 insert positioning

## Conference Control from the Endpoint

Direct dial-in via H.323 or SIP call string  
Selectable FECC or DTMF tone control  
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 up to 48 with the Expanded Conference License  
Schedule cascade and lecture conferences  
Schedule automatic outbound dialing  
Up to 40 on-demand conferences with triggered outbound dialing  
Conference registration to gatekeepers and SIP PBX's  
Individual conference customization

## LifeSize Bridge Utility

Adobe® Air™ management application for bridge configuration, control and management on Microsoft® Windows™ and Apple® OS™  
3 login levels: Administrator, User, and Support  
Drag-and-drop calendar scheduler  
Live conference management with individual and conference level controls

## LifeSize Bridge Utility Conference Control

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 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  
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  
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 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 configuration  
Smart diagnostics 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%, 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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