

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® OSX™
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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