

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. LifeSize Bridge offers a low-risk, cost-effective platform to modularly extend HD video conferencing to an entire organization.

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 ensures a consistent, immersive HD quality experience every time, delivering predictive video communications for the entire 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

Highest HD Quality

Symmetric video at 720p60 and 1080p30
Sustained frame rates

Unrivaled price/performance

Price per 720p30, 720p60 and 1080p port is lowest in industry

Flat Capacity

Encoder per participant delivers HD for up to 16 participants

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

Intuitive Interfaces

Easy-to-use calendar interface for scheduling

Standards-based

Supports video devices from LifeSize[®], and other vendors

Call Capacity

16 Participants Flat Capacity
Audio and video share 16 ports. Up to 16 participants at any resolution, frame rate, bandwidth

Communication Protocols

H.323, SIP

Video Standards

H.264. Future proofed for H.263 and H.261

Video Bandwidth

128K through 4Mbps per port

Video Resolutions and Frame Rates

1080p30 through Widescreen ClFp30
720p60 through Widescreen ClFp60

Video Performance

All resolutions at 30 frames per second except 60 frames per second where noted. Maximum resolutions widescreen 16:9 aspect ratio.
128Kbps (432x240pixels) Widescreen ClF
384Kbps (912x512pixels) Cable TV
512Kbps (1072x608pixels) DVD resolution
768Kbps (1280x720pixels) True High Definition
1.1 Mbps (1280x720pixels @ p60) True High Definition
1.7 Mbps (1920x1080pixels) Full High Definition

Audio Standards

AAC-LC. G.722.1c 48kbps, 32Kbps, 24Kbps, G.722.1 32Kbps, 24Kbps. 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

Presentation Standards

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

Presentation Resolutions

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

Localization

Unicode conference and site name support
15 user selectable languages

Advanced Video Processing

30 and 60 frames per second regardless of the number of participants, resolution, codec, or call speed, in the same conference
Flat capacity, maximum conference size up to 16 ports
Transcoding and rate matching on each port
HD and SD within the same conference

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 Information Overlay

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

On-screen Interactive Overlay

Self-view (on/off)
Speaker order (on/off)
Status indicators (on/off)
Mute video (on/off)
Announcements (on/off)
Camera control navigation (on/off)
Language: (15 selectable languages)
Text inset (0-14)

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

Security

Pin protected conferences

Quality of Service

QoS support with Diffserve and TOS/IP Precedence

Conference Support

Schedule conferences with 2-16 participants
Up to 40 on-demand conferences
Conference registration to gatekeepers and SIP PBX's
Individual conference customization

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
- 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. SDL management API for 3rd party management (*beta).

LifeSize® Control™ support
- Microsoft® Exchange™ Integration
- Google® Mail™ integration
- Conference setup and initiation
*Indicates experimental feature

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

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) 87mm (3.34")
Width: 450.56mm (17.74") without flanges
Width: 484.64mm (19.08") with flanges
Depth: 513.12mm (20.20")
Weight: 12.70kg (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

For additional information: www.lifesize.com.

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