# LifeSize®
A division of Logitech

## 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**<br><br>**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** |

# Product Specifications

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# LifeSize® Bridge™

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## 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 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.
128Kbps (432x240pixels) Widescreen CIF
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® OSX™
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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