

## LifeSize<sup>®</sup> Softphone<sup>™</sup>

LifeSize Softphone is the most advanced desktop software for professional quality video collaboration.

### Making Universal Video Collaboration Accessible for Anyone, Anywhere

LifeSize Softphone has Full HD support, a simple, easy-to-use interface and advanced media encryption, which enable remote and mobile PC and Mac users to work collaboratively in a completely secure environment.

In today's fast-paced world, real-time communication has never been more essential to survival for businesses where increased collaboration and productivity are critical. With more and more people working from remote locations such as home offices, hotel rooms or on the road, it has never been more important for workers to stay connected.

LifeSize Softphone extends the HD video collaboration experience to mobile PC and Mac users, enabling workers to participate in HD video calls from the convenience of their computers, wherever they are located.

#### A Superior HD Video Experience for Universal Video Collaboration

LifeSize Softphone is the most advanced stand-alone desktop software, enabling professional, Full HD video calls at 1080p for realistic, true-to-life video collaboration. Powerful collaboration tools such as real-time data sharing, multiparty calling and record and export capabilities promote instant group collaboration and extend HD video throughout the organization.

#### Intuitive, Easy-to-Use Interface

LifeSize Softphone provides superior contact management with a user-friendly directory for click-to-call dialing, and built-in call management lets users place up to two calls on hold or transfer them to continue communication.

LifeSize Softphone is an open and interoperable, standards-based solution that enables HD video collaboration to anyone, anywhere.



### LifeSize Softphone Key Features

**HD Video Quality** Full HD (1080p) video with natural, full-motion video up to 2 Mbps

**Multiparty Calling** Connect up to three participants on each call without external equipment

**Open and Interoperable** Standards-based, endpoint agnostic; connects to any H.323/SIP device

**Operating Systems** Windows and Mac OS X

**Data Sharing** H.239 data collaboration with desktop video sharing mode

**In-Call Features** Call recording, playback and export to WMV or MOV format

**Security** Support for DTLS-SRTP media encryption for SIP

**Audio Quality** Crystal clear audio with acoustic echo canceller

# Product Specifications

# LifeSize® Softphone™

## System Components

LifeSize Softphone Software  
Webcam (not supplied)  
Microphone/Headset (not supplied)

## Communications

H.323, Compliant with ITU-T H.323v4, H.225v13  
SIP, RFC compliancy: RFC-2396, RFC-2543, RFC-2617,  
RFC-2822, RFC-2833, RFC-2976, RFC-3260, RFC-3261,  
RFC-3264, RFC-3265, RFC-3311, RFC-3420, RFC-3428,  
RFC-3515, RFC-3581, RFC-3550, RFC-3856, RFC-3859,  
RFC-3860, RFC-3863, RFC-3891, RFC-3960, RFC-3984,  
RFC-4488, RFC-4961, RFC-5168

## Video Standards

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

## Video Specifications/Video Resolutions

H.264: 1080p, 720p, 4CIF, CIF, QCIF, SQCIF @ 30 fps max  
Up to 2 Mbps in High Definition (1920x1080)  
In-band dynamic video format changes  
Automatic "quality vs. CPU load" dynamic adjustment

H.263, H.263+: 4CIF, CIF, QCIF, SQCIF @ 30 fps max  
Half-Pel Motion Estimation  
TMN-9 rate control  
In-band dynamic video format changes  
Automatic "quality vs. CPU load" dynamic adjustment

H.261: CIF, QCIF @ 30 fps max  
Up to 2 Mbps  
Loop-Filter  
Automatic "quality vs. CPU load" dynamic adjustment

## Data Sharing

H.239 presentation up to 1280x768 (emulated in SIP with  
RFC-4796):  
Multiple monitors support  
Transmit an application window or the entire desktop as  
a separate real-time video stream (speaker live stream is  
still visible)  
4x high-quality anti-aliasing

Video-sharing mode when H.239 is not available:  
Use the standard video channel to send the presentation  
instead of the speaker live stream  
Compatible with all endpoints supporting video calls

## Audio Standards and Features

G.711  $\mu$ -law, A-law  
G.722.1 Annex-C (Polycom® Siren14™, 32 KHz super wide-  
band)  
Full duplex, high-quality Acoustic Echo Cancellor  
Full duplex Audio Denoise Filter with automatic noise level  
detection

## Networking Features

Automatic bandwidth control, adaptive to network  
condition  
Support asymmetric input/output bandwidths, up to 2  
Mbps RX + 2 Mbps TX  
Configurable port ranges for signaling and media  
protocols  
Static NAT support  
Multiple IP system support  
Available automatic or manual IP address selection  
Configurable DIFFSERV code

## Security

Support for DTLS-SRTP Media Encryption for SIP

## User Interface

Single file quick installer (~10 MB)  
No kernel drivers, no reboot needed  
Simple interface, intuitive to the non-technical user  
Resizable GUI  
Web integration (click on a link to call)  
Address book with presence indication  
Calls list (quick switch to All, Incoming, Outgoing, Missed)  
Automatic update over Internet  
Extensive logging providing detailed user problem  
reports  
Real-time graphical statistics for quick problem diagnosis  
Support for multiple languages (English, Italian, German,  
Spanish)  
Call recording, playback and export in Windows Media  
Video (WMV) or Quicktime (MOV) format

## Call Control

2 independent lines  
Call hold and call transfer  
3-party continuous presence multiconference without  
external equipment  
Call control (H.450.2)  
Far-end camera control (H.224 + H.281)  
Call party by E.164 number, H.323 alias or IP (no  
gatekeeper required)  
Gatekeeper auto-discovery and automatic re-registration

## Recommended Peripherals

### Webcams

Logitech HD Pro C910  
Logitech HD Pro C510

### Headsets

Logitech ClearChat Pro USB  
Logitech Premium Notebook Headset

### USB Speakerphones

ClearOne CHAT™ 50, 100

## Minimum Requirements

Operating System:  
Windows XP/2003/Vista/7 (including 64 bit versions),  
DirectX 9.0c or higher  
Mac OS X 10.5 Leopard or higher  
P4@2.0 Ghz (audio/high-res video calls)  
Core 2 Duo class, 2.33 GHz (H264, 720p video calls)  
Core 2 Quad class, 2.66 GHz (H264, 1080p video calls)  
1 GB RAM (2 GB recommended on Vista) and 30 Mb hard-  
disk space



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