



High Definition Audio

LifeSize Phone is the High Definition audio conference phone that delivers a revolutionary level of quality to audio conferencing.

Better Input. Powered by 16 always-on microphones and patent-pending Circular Microphone Array™ and beam forming technology, the LifeSize Phone provides high directivity and twice the room coverage over existing devices.

Twice the Room Coverage, So Everyone Can Be Heard

Better Algorithms. True CD quality, super wide-band audio operates up to 16 kHz frequency using MPEG-4 AAC, the same algorithm used in the popular iPod® and iTunes® products.

Better Output. Using a specially designed titanium speaker driver and tuned ported enclosure, LifeSize Phone reduces unwanted noise and distortion by up to 10X over any other conference phone—and no need for a subwoofer.

Complete Connectivity. LifeSize Phone provides VoIP and PSTN support as well as full integration with LifeSize Room™ video communications systems.

Hear and understand everyone. No more conference fatigue. LifeSize Phone sets the new standard in productive conferencing. Clearly.

The Advantages are Clear

2X the Room Coverage — Pick up all talkers in the room without unwanted noise. Innovative design with 16 omni-directional microphones and exclusive Circular Microphone Array™ provides a superior approach to gated, directional microphone devices

Super Wide-Band, Up to 16 kHz Audio — World's best frequency response from 100 Hz up to 16 kHz* for highly intelligible conferencing

Standards Compliant — Works with standard SIP or H.323 IP PBX or IP service provider implementation; standard PSTN implementation

Low Distortion and Ambient Noise — Designed to reduce noise from HVAC, projector fans for sensitive microphone or talker pickup without the noise

Elegant, Non-Intrusive Design — Updated design and no additional microphone pods or sub woofers required.

Simple to Use — Intuitive keypad and display, add participants at the touch of a button

Investment Projection — Software-based, remotely upgradable device.

Product Specifications

Phone Console Specifications

System Speaker

Specially designed titanium speaker driver
¼ liter tuned ported speaker enclosure

Typical frequency response*:

- 100 Hz to 16 kHz for stand alone phone with IP connection
- 200 Hz to 3.4 kHz for stand alone phone with PSTN connection

Distortion:

<0.5% 400 Hz - 20 kHz
<2% 100 Hz - 400 Hz

Volume: adjustable to 90dBA spl @ .5m
No sub-woofer required

System Microphones

Circular Microphone Array with 16 embedded microphones and beam forming with Directivity Index (DI) greater than 4 for all audio frequencies
No microphone pods required

Display

Large monochromatic LCD display
240 x 64 pixels; .250 mm pitch

Keypad

Intuitive keypad



Network

VoIP connectivity; PSTN; or video systems integration in one device

Optional Phone Interface Module (PIM) for PSTN interface and power

Audio Standards

G.711; G.729; G.722; G.722.1, MPEG-4 AAC
SIP: RFC 3261; 3264; 2833

Network Configuration Options

IP Configurations

Standard SIP or H.323 IP PBX or IP service provider implementation

To access supported implementations:
www.lifesize.com/support

PSTN Configurations

Phone Interface Module (PIM) for PSTN connectivity
Standard keypad, flash capability, pulse/tone dialing and localized language support



QOS

Packet loss concealment
Jitter buffer granularity of 1ms
AEC echo tail of >100 ms

No Mobile Phone or PDA Interference

Designed to reduce or eliminates radio frequency interference when placed adjacent to LifeSize Phone

Systems Management & Maintenance

Web browser management for setup and usage
Inventory and remote management using SNMPv3
LifeSize Control™ management software on IP network
Adaptive design for regular calibration



System Design

Physical Dimensions

Height: 40.89 mm / 1.61 in
Diameter: 286.29 mm / 11.27 in
Weight: 1.34 Kg / 3 lbs

Environmental Data

Operating temperature:
0°C (32°F) to 40°C (104°F)
Operating humidity:
10% to 85%, non-condensing
Storage temperature:
-40°C (-40°F) to 70°C (158°F)
Storage humidity: 10% to 90%

LifeSize Phone Configurations

LifeSize Phone - IP

Tabletop console

Quick start guide

Cables:

1-30 ft. (9.14m) RJ-45 cable to Speakerphone Console
Power over Ethernet (PoE) enabled, 802.3af
PoE Adapter not included. For recommendations,
www.lifesize.com/support

LifeSize Phone - PSTN

Tabletop console

Quick start guide

Cables:

1-30 ft. (9.14m) RJ-45 cable to Speakerphone Console
1-10 ft. (3.04m) RJ-11 telco cable
1-10 ft. (3.04m) RJ-45 LAN cable
Phone Interface Module (PIM) included for PSTN connectivity and power; 120v power included

LifeSize Phone is available worldwide in multiple languages.

For additional information: www.lifesize.com/support

*Typical performance based upon connectivity type

Information contained in this document is subject to change without notice. LifeSize is a registered trademark or trademark of LifeSize Communications in the U.S. and other countries. All other trademarks are property of their respective owners. June 2006.