



# Effortless Video Conferencing for Huddle Rooms

**Lifesize® Icon 450™**

## Bring everyone into the picture

Starting a meeting over video should be effortless. Wouldn't it be nice to walk into a huddle room and feel confident that everyone in the room is visible and centered in the picture? No fuss or hassles to adjust the camera — just video communication as it should be. Sharing ideas and collaborating is as easy as if your teammates were right there in the room. With Lifesize, your huddle room is connected to wherever people happen to be — in lifelike, crystal clear HD quality. Focus on your meeting and let Lifesize Icon 450 handle the rest. When you walk in the room, it's ready to go.

If you're looking for a simple, scalable way to deploy integrated, plug-and-play conference room systems across your offices, Lifesize Icon 450 is a perfect fit. With the Lifesize® cloud-based service and Lifesize® Phone™ HD, you get a seamlessly integrated audio, web and video conferencing service, programmable touchscreen control and exceptional audio quality. There simply isn't a more powerful and easy-to-use video conferencing solution.



## Perfectly designed for huddle rooms

Just because huddle rooms are small doesn't make them less important. Many would argue that they are the most productive rooms in the building. Huddle rooms are flexible and allow for spontaneous collaboration. The technology in them should empower teams, not hold them back. Lifesize Icon 450 gets you into the meeting quickly, connecting people to get work done.

Lifesize Icon 450 is perfectly designed to bring the power of video communication to huddle rooms. The smart-framing sensor automatically adjusts the camera to ensure that everyone in the room is visible during the call. Its exceptionally sharp wide-angle lens provides an expanded field of view, capturing everyone on screen even in small meeting spaces. The HD camera system and smart-framing capabilities are integrated into one compact package, so it's simple to set up and fits easily on a credenza. Its HD video and crystal clear audio erase distance and put everyone into the same space, making meetings more productive and efficient.



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Lifesize® Icon 450™

## Pair to the Lifesize cloud-based service\*

Simplified setup through auto-provisioning, video network management and secure NAT/firewall traversal will accelerate deployment throughout your organization. The Lifesize Admin Console gives you the control you need to quickly and easily administer and manage your Lifesize account and your Lifesize HD camera systems and phones. Use the robust dashboard to track usage by call, minutes, users and average call time. All of the information you need to make the most of your investment is right at your fingertips.

Capitalize on the power of our cloud-based audio, web and video conferencing service to deliver substantial benefits to your business. Simple one-on-one calls that can quickly escalate to group calls by clicking on a name in a directory are strong enticements to hold meetings via video. Add on Lifesize Record and Share to record meetings and share them with any number of viewers with the push of a button. Only Lifesize delivers one solution for simply connecting your conference rooms to everyone who needs to be in the meeting — from anywhere, on any device.

## Touchscreen control with Lifesize Phone HD

Lifesize Icon 450 and Lifesize Phone HD make a winning combination for the huddle room. Lifesize Phone HD delivers audio quality so clear that you can catch every whisper. This programmable, touchscreen device simplifies your meeting room experience by putting all of the essential conferencing functions at your fingertips. Easily launch calls, share content, add participants, view your meeting calendar and more. With Lifesize Phone HD, you can manage Lifesize audio, web and video conferencing from one highly intuitive device, so there's no need for a separate phone for audio conferences. Reduce complexity and reclaim some space on your conference table. Designed for simplicity, Lifesize Phone HD is the only phone you need in the huddle room.



## At-A-Glance

<b>Smart-framing Sensor</b>	Ensures that everyone in the room is visible during a call
<b>Pair to the Lifesize cloud-based service*</b>	Directory with name-based one-click calling, virtual meeting rooms, screen sharing, calendar integration, chat, automatic software updates and more
<b>Record and Share Calls with Lifesize Record and Share*</b>	Easily record a video call or meeting from any device and automatically publish videos into your own video library
<b>Seamless Call Escalation</b>	Accept requests to join your call or add others via your directory with one click
<b>Video Quality</b>	Up to 1080p30
<b>Presentation Quality &amp; Screen Sharing</b>	HDMI input for 1080p video and audio presentation
<b>HD Display</b>	Support for one display
<b>HD Camera</b>	Pan, tilt and zoom camera with 90° diagonal field of view and support for up to 1080p30 HD and 5x zoom
<b>Lifesize Phone HD</b>	Delivers superior audio quality and an easy-to-use, programmable touchscreen enabling video and audio management

\*Requires a Lifesize subscription.

**NOTE:** Feature availability and price vary by subscription plan, selected options, and paired devices.

# Effortless Video Conferencing for Huddle Rooms

## Lifesize® Icon 450™

### SYSTEM COMPONENTS

- Lifesize Icon 450 with integrated PTZ camera
- Lifesize Phone HD
- Power supply/cables
- Lifesize Remote Control

### COMMUNICATIONS

- SIP, H.323, 128 Kbps–6.0 Mbps
- 1 x RJ-45 Network LAN 10/100
- 1 x Lifesize Link for Lifesize Phone HD

### SUPPORT FOR SINGLE DISPLAY

- Any display with HDMI input supporting 720p or 1080p video modes

### 1080P30 ZOOM CAMERA

- Wide-angle zoom lens with:
  - Diagonal field of view: 90 degrees
  - Horizontal field of view: 82 degrees
  - Vertical field of view: 59 degrees
- 5x optical zoom
- Auto focus/automatic gain control
- 10 camera presets (near or far end)

### VIDEO SPECIFICATIONS

- Maximum resolution 1920x1080, 16:9 aspect ratio<sup>1</sup>
- All resolutions progressive scanning
- Over 200 resolutions supported
- Example bitrates and resolutions (H.264 High Profile, AAC-LD):
  - –600 Kbps (720p30)
  - –820 Kbps (720p60)
  - –1.2 Mbps (1080p30)

### SMART-FRAMING SENSOR

- 120-degree horizontal sensor range
- Auto PTZ and centering of room participants in video frame

### VIDEO STANDARDS

- H.264 High Profile, H.264 Baseline Profile, H.263+, H.263

### VIDEO INPUTS (1 INPUT)

- 1 x HD Video In (up to 1080p30) HDMI enabled

### VIDEO OUTPUTS (1 OUTPUT)

- 1 x HD Video Out (up to 1080p30) HDMI enabled

### FULLY INTEGRATED LIFESIZE PHONE HD

- 90 Hz to 22 kHz
- Audio pickup range up to 4.57 m (15 ft)
- 48kHz audio sampling
- Powered by Icon 450 directly through Lifesize Link cable
- Ships with 9 m Lifesize Link cable
- Optional 15 m Lifesize Link cable available

### AUDIO FEATURES

- WebRTC NetEQ packet loss concealment
- Full duplex for natural conversations
- Advanced acoustic echo cancellation
- Automatic gain control
- Automatic noise reduction

### AUDIO STANDARDS

- G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, MPEG-4-AAC-LC, MPEG-4 AAC-LD, Opus

### AUDIO INPUTS (2 INPUTS)

- 1 x Lifesize Link (Lifesize Phone HD)
- 1 x HD Video In

### AUDIO OUTPUTS (2 OUTPUTS)

- 1 x Lifesize Link (Lifesize Phone HD)
- 1 x HD Video Out

### OTHER SUPPORTED STANDARDS

- H.221, H.224, H.225, H.231, H.239/BFCP, H.241, H.242, H.245, H.281, RFC 3261, RFC 3264, RFC 2190, RFC 3407, RFC 2833

### USER INTERFACE & FEATURES

- Simplified user interface
- Heads up remote control
- Seamless call escalation to a group call
- Graphical user interface administration console
- Multiple languages supported
- Do Not Disturb mode
- Video and audio mute
- Picture-in-picture

### LIFESIZE CLOUD-BASED SERVICE<sup>2</sup>

- Seamless call escalation for video and voice participants
- Calendar, meeting directory, favorites, unified searchable directory
- Automatic provisioning
- Guest calling
- Single button recording and sharing
- Mobile calling
- Video network management
- Secure firewall traversal, plus NAT
- Automatic software updates

### SECURITY

- Ability to disable HTTP, SSH services
- H.235 (AES) encryption support including strict compliance (non-AES version available)
- TLS/SRTP support
- Kensington Security Slot

### NETWORKING FEATURES

- Adaptive motion control (AMC) including forward error correction (FEC) for superior video quality in all network conditions
- NAT/firewall traversal (H.460/SIP)
- Auto bandwidth detection
- IPv4 and IPv6 support

### DIRECTORY AND ADDRESS BOOK

- Up to 10,000 directory entries
- Global search tool
- LDAP support/H.350 compliant
- Meeting directory support
- H.323 URI dialing support (Annex O)

### SYSTEM MANAGEMENT

- Web interface
- Auto configuration
- SNMP
- Backup and restore capability
- 1x USB 2.0 (for support of serial control interfaces)

### POWER

- System power 19VDC, 2.31A (max, with Phone HD) supplied by AC-DC power supply (included). AC specification: 100-240VAC, 50/60 Hz

### 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

### VIDEO DEVICE DIMENSIONS

- Width: 216.5 mm (8.52")
- Depth: 119.1 mm (4.70")
- Height: 135.5 mm (4.94")
- Weight: 1.19 Kg (2.62 lbs)

### MOUNTING OPTIONS

- Mounting holes: 2 x M5 screw holes 150 mm (6 in) apart
- Mounting screws<sup>3</sup>: 2 x M5 screws (Max insertion depth: 3.8 mm)

### REGULATORY NUMBER

- Lifesize Icon 450 = LFZ-033

<sup>1</sup> When paired to the Lifesize cloud-based service, some features and settings are managed by Lifesize to tailor the user experience for use with the service.

<sup>2</sup> Requires a Lifesize subscription. Feature availability and price vary by subscription plan, selected options, and paired devices.

<sup>3</sup> Mounting screws are not included.

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