

# Video Conferencing Fundamentally Transformed

**Lifesize® Icon 800™**

## Lifesize Icon 800 delivers the ultimate communication experience to auditoriums and other large meeting spaces

Designed to radically simplify video conferencing with its intuitive “heads up” UI, six-button remote and touchscreen Lifesize® Phone™ HD, the Lifesize 800 offers:

- Four Full HD video inputs
- Two Full HD video outputs
- Seven audio inputs
- Four audio outputs
- Two USB 3.0 data inputs
- Secure connectors for server racks

With the additional video inputs the Lifesize Icon 800 provides users incredible flexibility. Connect multiple video devices, such as PTZ cameras, laptops or DVRs, as well as audio devices, such as MP3 players, to the Lifesize Icon 800 and deliver an unprecedented immersive experience. And when paired to the Lifesize cloud-based service, there simply isn't a more powerful, yet easy-to-use video conferencing solution in the world.



## Simplified Input Selection

Users can easily choose the video input for both primary and secondary streams with the remote control or through the Lifesize Phone HD touchscreen display. Audio sources are automatically heard at each end when the user pushes play eliminating the need to call support when the audio source doesn't match the video input.

## FREE! Lifesize Link Adapter

Included with your purchase is the new Lifesize Link Adapter, which supports especially long cable runs between the Lifesize Icon 800 unit and a Lifesize Phone HD or Digital MicPod—up to 61 meters (200 feet). Now, Lifesize Phone HD can be positioned deeper in the auditorium.

## Ideal for Systems Integrators

Systems integrators seeking a video conferencing solution that readily integrates with existing custom third-party solutions need look no further than the Lifesize Icon 800. Its rack-mount design enables systems integrators to install the Lifesize Icon 800 into any industry-standard server, podium and other rack-mount space with ease. The internal power supply and the locking rear connectors ensure a simple and secure installation.

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## Lifesize® Icon 800™

### SYSTEM COMPONENTS

- Lifesize Icon 800 video system, 2RU 48.3 cm (19") with rack mounts attached
- Lifesize Camera 10x
- Lifesize Phone HD or Phone, 2nd Generation
- Lifesize Link Adapter
- Remote control
- Cables

### COMMUNICATIONS

- SIP, H.323, 128 Kbps–6.0 Mbps
- 1 x RJ-45 Network LAN 10/100/1000
- 1 x Lifesize Link for Lifesize Phone HD or Phone, 2nd Generation

### SUPPORT FOR UP TO TWO DISPLAYS

- Any 720p or 1080p HD displays
- Video Out 1 (primary) supports DVI-D/HDMI
- Video Out 2 (secondary) supports DVI-I/HDMI/VGA

### HD 1080P60 PTZ CAMERA (LIFESIZE CAMERA 10X)

- Wide-angle zoom lens with 70° field of view
- Up to 10x optical zoom
- Auto focus/automatic gain control
- 10 camera presets (near or far end)
- Standard 3.0 m HDMI cable

### VIDEO SPECIFICATIONS

- Maximum resolution 1920x1080, 16:9 aspect ratio<sup>1</sup>
- All resolutions progressive scanning up to 60 frames per second
- Over 200 resolutions supported
- Example bitrates and resolutions (H.264 High Profile, AAC-LD):
  - 600 Kbps (720p30)
  - 820 Kbps (720p60)
  - 1.2 Mbps (1080p30)
  - 1.7 Mbps (1080p60)

### VIDEO STANDARDS

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

### VIDEO INPUTS (4 INPUTS)

- 4x HD Video In (up to 1080p60) DVI/HDMI/VGA enabled

### VIDEO OUTPUTS (2 OUTPUTS)

- Video Out 1 (primary) supports DVI-D/HDMI
- Video Out 2 (secondary) supports DVI-I/HDMI/VGA

### FULLY INTEGRATED, HD AUDIO

#### CONFERENCE PHONE

- 90 Hz up to 22 kHz frequency support
- Audio pickup range up to 4.57 m (15')
- Powered by Lifesize Icon 800 directly through Lifesize Link Cable

- Touchscreen user interface
- Manage HD video, audio and presentation
- Additional support for up to two Lifesize Digital MicPods
- Included 9 m (30') Lifesize Link cable
- Optional 4 m (13') and 15 m (49') cables available

### LIFESIZE LINK ADAPTER

- Passive adapter converts Lifesize Link to Cat5e/6 cabling
- Supports cable distances:
  - Shielded 24 AWG Cat5e: 46 m (150')
  - Shielded 23 AWG Cat 6: 61 m (200')
- LEDs ensure proper installation
- Supports locking RJ45 connectors

### AUDIO FEATURES

- WebRTC NetEQ packet loss concealment
- Full duplex for natural conversations
- Echo cancellation for echo-free calls
- Automatic gain control
- Automatic noise reduction

### AUDIO STANDARDS

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

### AUDIO INPUTS (4 INPUTS)

- 2 x Line In balanced (Phoenix)
- 1 x Lifesize Link (Lifesize Phone HD or Phone, 2nd Generation, with optional Lifesize Digital MicPods)
- 4 x HDMI via Video inputs

### AUDIO OUTPUTS (4 OUTPUTS)

- 1 x Line Out balanced (Phoenix)
- 1 x Lifesize Link (Lifesize Phone HD or Phone, 2nd Generation)
- 2 x HDMI via Video outputs

### 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
- Video input selection
- Seamless call escalation to a group call
- Graphical user interface administration console
- Multiple languages supported
- Do Not Disturb mode
- Video 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<sup>3</sup>
- 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 forward strict compliance
- TLS/SRTP support

### INTELLIGENT 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

### DIRECTORY AND ADDRESS BOOK

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

### SYSTEM MANAGEMENT

- Web interface
- Auto configuration
- SNMP
- Backup and restore capability
- 2x USB 3.0

### POWER

- AC voltage 100–240V, 50–60 Hz, 2.5A via internal power supply

### 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: 440 mm (17.32")
- Depth: 310 mm (12.2")
- Height: 85 mm (3.35")
- Weight: 6.99 Kg (15.42 lbs)

### REGULATORY NUMBER

- Lifesize Icon 800 = LFZ-031
- Lifesize Link Adapter = LFZ-032

<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.

<sup>3</sup>Through Lifesize Record and Share, sold separately.

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