

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, 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.

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 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 or Digital MicPod—up to 61 meters (200 feet). Now, Lifesize Phone 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.

SYSTEM COMPONENTS

Lifesize Icon 800 video system, 2RU 48.3 cm (19") with rack mounts attached
 Lifesize Camera 10x
 Lifesize 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, 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
 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)

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

VIDEO OUTPUTS (2 OUTPUTS)

2 x HD Video Out (up to 1080p60) DVI/HDMI/VGA enabled— primary and secondary display

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

AUDIO INPUTS (4 INPUTS)

2 x Line In balanced (Phoenix)
 1 x Lifesize Link (Lifesize 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, 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 multiparty call
 Graphical user interface administration console
 Multiple languages supported
 Do Not Disturb mode
 Video mute
 Picture-in-picture

UVC CORE APPLICATIONS

Seamless call escalation for video and voice participants
 Calendar, meeting directory, favorites, unified searchable directory
 Single button streaming and recording
 Mobile calling
 Video network management
 Secure firewall traversal, plus NAT
 Microsoft® Lync® integration

SECURITY

Ability to disable HTTP, SSH services
 H.235 (AES) encryption support including 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 100,000 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 MODEL NUMBER

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



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