Video Conferencing for Small Meeting Rooms

Lifesize® Icon 400™

SYSTEM COMPONENTS
- Lifesize Icon 400 with embedded PTZ camera
- Lifesize Phone HD, Phone 2nd Generation, or Digital MicPod
- 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, Phone 2nd Generation, or Digital MicPod

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: 80 degrees
  - Horizontal field of view: 70 degrees
  - Vertical field of view: 39 degrees
- 3x optical zoom, 2x digital zoom, 5x total
- Auto focus/automatic gain control
- 10 camera presets (near or far end)

VIDEO SPECIFICATIONS
- Maximum resolution 1920x1080, 16:9 aspect ratio[1]
- 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)

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, HD AUDIO LIFESIZE PHONE HD/DIGITAL MICPOD
- 90 Hz up to 22 kHz
- Audio pickup range up to 4.57 m (15 ft)
- 48kHz audio sampling
- Powered by Icon 400 directly through Lifesize Link cable
- Support for one Lifesize Phone HD, Phone 2nd Generation, or Digital MicPod
- Ships with 4 m cable (Digital MicPod) or 9 m cable (Lifesize Phone HD or Phone 2nd Generation)
- Optional 15 m cable available

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.722.1 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, Phone 2nd Generation, or Digital MicPod)
- 1 x HD Video In

AUDIO OUTPUTS (2 OUTPUTS)
- 1 x Lifesize Link (Lifesize Phone HD or Phone 2nd Generation)
- 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 mute
- Picture-in-picture

LIFESIZE CLOUD-BASED SERVICE[2]
- 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 support

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
- 1 x USB 2.0
- Serial support

POWER
- AC voltage 100–240V, 50–60 Hz, 2.31A via external 19VDC 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: 216.5 mm (8.52")
- Depth: 119.4 mm (4.70")
- Height: 125.4 mm (4.94")
- Weight: 1.04 Kg (2.29 lbs)

MOUNTING OPTIONS
- Mounting holes: 2 x M5 screw holes 150 mm (6 in) apart
- Mounting screws: 2 x M5 screws (Max insertion depth: 3.8 mm)

REGULATORY NUMBER
- Lifesize Icon 400 = LFZ-033

[1] 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.

[2] Requires a Lifesize subscription. Feature availability and price vary by subscription plan, selected options, and paired devices.

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