

Feature-Rich, Full HD Video Is Here

Lifesize® Express 220™



Lifesize Express 220 is a Full HD video communications system that is both affordable and scalable. Ideal for small working groups, teams or individual knowledge workers who want to take communication over distance to the next level, Lifesize Express 220 has it all.

With Lifesize Express 220, you not only get Full HD video quality—1080p30/720p60—for natural, realistic interactions at the lowest possible bandwidth but also crisp, crystal clear data sharing and an all new digital I/O with Full HD support, plus dual HD displays, Full HD camera, and phone or Lifesize MicPod options.

When paired with Lifesize Cloud and combined with Lifesize® Phone™, and Lifesize® Digital MicPod™, you have the most full-featured video conferencing solution available today. The Lifesize Phone brings touchscreen simplicity to the conference room and eliminates the need for a separate remote control. Users can share content, control cameras, change layouts, add callers and do so much more with ease.

Lifesize Express 220 brings people together by allowing them to interact successfully across distances. Seeing facial expressions, body language and gestures makes you feel truly connected and understood.

And just like all of the Lifesize 220 products, Lifesize Express 220 features:

- Highest available resolution on the market—1080p30
- Unprecedented bandwidth/performance
- Adaptive motion control with forward error correction
- Streaming and recording of point-to-point calls

HD quality. Simplicity. Meaningful team connections. Lifesize Express 220 is clearly how video communications are meant to be.



AT-A-GLANCE

Lifesize Cloud	Seamless call escalation, corporate and meetings directories, secure firewall/NAT traversal, automatic software updates
Video Quality	Full HD Standards-based 1920x1080-30fps 1280x720-60fps
Multiple HD Monitors	Supports up to two HD monitors
HD Camera	Supports HD pan-tilt-zoom camera
Manage HD Video & Audio	Control video, audio and data sharing with the touchscreen interface of Lifesize Phone
HD Video Communications	Make point-to-point calls or join multipoint calls

Free video-based training
www.lifesize.com/training

Lifesize® Express 220™

Product Specifications

SYSTEM COMPONENTS

Lifesize codec
HD PTZ Lifesize Camera 10x
Lifesize MicPod or Lifesize Phone
Wireless remote control
Power supply/cables

COMMUNICATIONS

H.323, SIP, 128 Kbps–4.0 Mbps
1 x RJ-45 Network LAN
1 x 3.5 mm Mic In for Lifesize MicPod
1 x RJ-45 for Lifesize Phone or Lifesize Networker (optional)

SUPPORT FOR MULTIPLE HD DISPLAYS

Any HD display supporting HDMI or DVI-I input
For additional information on displays, visit:
www.lifesize.com/support

HD 1080P30/720P60 PTZ CAMERA

Wide-angle zoom lens with 70-degree 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/ VIDEO RESOLUTIONS

Maximum resolutions widescreen 16:9 aspect ratio
All resolutions progressive scanning
All resolutions at 30 frames per second except 60 frames per second where noted
384 Kbps (912x512 pixels) DVD resolution
512 Kbps (1024x576 pixels)
768 Kbps (1280x720 pixels) high definition
1.1 Mbps or higher (1280x720 pixels @ p60) high definition
1.7 Mbps or higher (1920x1080 pixels) high definition

VIDEO STANDARDS

H.261, H.263, H.263+, H.264 and H.239 and BFCP compliant with Polycom®
Support for multiple dual live streaming modes:
– 1080p30 and 720p5
– 720p60 and 720p5
– 720p30 and 720p30

VIDEO INPUTS (2 INPUTS)

1 x HD Video In (1080p30/720p60)
1 x DVI-I In (HDMI/VGA enabled)

VIDEO OUTPUTS (2 OUTPUTS)

2 x HD digital video out (1080p30/720p60)

FULLY INTEGRATED, HD AUDIO CONFERENCE PHONE

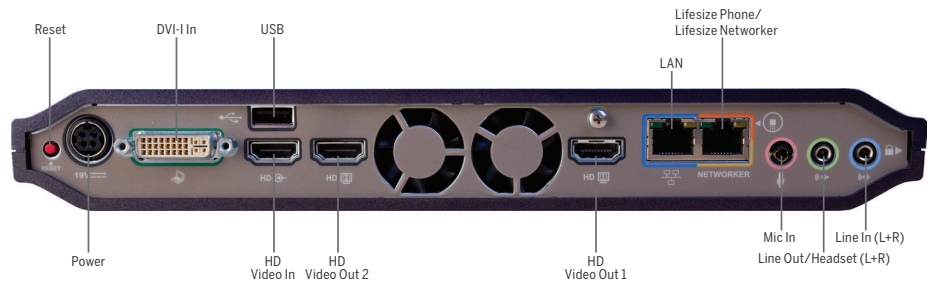
90 Hz up to 16 kHz
Powered by codec directly through cable
Touchscreen user interface
Manage both HD video and audio
Support for up to two Lifesize Digital MicPods (additional purchase)

AUDIO STANDARDS

G.711, G.722, G.722.1 and G.722.1C licensed from Polycom, G.728, G.729, MPEG-4-AAC-LC

AUDIO FEATURES

GIIPS NetEQ packet loss concealment
Full duplex for natural conversations
Echo cancellation for echo-free calls



Automatic gain control
Automatic noise reduction
Three-way audio add-on call capability
Lifesize MicPod or dual MicPod support (optional)

AUDIO INPUTS (5 INPUTS)

1 x Line In (L+R) (3.5mm)
1 x Mic In—two channel (3.5mm)
1 x RJ-45 (Lifesize Phone) (optional)
1 x HD Video In
1 x DVI-I In

AUDIO OUTPUTS (4 OUTPUTS)

1 x Line Out/Headset (L+R)
1 x RJ-45 (Lifesize Phone) (optional)
2 x HD Video Out

OTHER SUPPORTED STANDARDS

H.221, H.224, H.225, H.231, H.241, H.242, H.245, H.281, BONDING (ISO13871) via Lifesize Networker, RFC 3261, RFC 3264, RFC 2190, RFC 3407, RFC 2833)

USER INTERFACE & FEATURES

Context-sensitive user interface
Graphical user interface call manager
Multiple languages supported
Do Not Disturb mode
RS-232 serial pass-through support

STREAM/RECORD WITH LIFESIZE® UVC VIDEO CENTER™

Record/stream outside of a call
Record/stream point-to-point or multipoint calls
Capture all call participants (near or far)
Auto-record all calls
Single button, ad-hoc recording
Recording indicator

UVC CORE APPLICATIONS*

Seamless call escalation for video and voice participants
Mobile calling
Video network management
Secure firewall traversal, plus NAT

SECURITY

Admin and user-level password
SNMP security alerts
Ability to disable HTTP, SSH and Telnet services
H.235 (AES) encryption support including strict compliance
TLS/SRTP support
IEEE 802.1x support
Kensington Security Slot

INTELLIGENT NETWORK FEATURES

Adaptive motion control (AMC) including forward error correction (FEC)
NAT/firewall traversal (H.460/SIP)
IPv4 and IPv6 support
Auto bandwidth detection
ISDN support via Lifesize Networker

DIRECTORY & ADDRESS BOOK

Up to 1,000 local directory entries
Save, lock, remove, redial list features
Missed call notification
Auto-discovery directory lookup (patent pending)
LDAP support/H.350 compliant
Meetings directory support
H.323 URI dialing support (AnnexO)

SYSTEM MANAGEMENT

Out-of-box setup via web interface and management tool
SNMP
Backup and restore capability
JPEG snapshots through web interface

POWER

AC voltage 100–240V, 50–60 Hz, 2.5A via external 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

CODEC DIMENSIONS

Width: 288 mm (11.34")
Depth: 187.5 mm (7.38")
Height: 41.3 mm (1.63")
Weight: 1.29 Kg (2.84 lbs)

Regulatory Model Number: LFZ-018

*Requires Lifesize UVC Platform

HEADQUARTERS

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