

# 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.

Combined with the LifeSize® Phone™, 2nd Generation, LifeSize® Camera 10x™ 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.



## LifeSize Express 220 At-a-Glance

Video Quality	<ul style="list-style-type: none"> <li>• Full HD</li> <li>• Standards-based</li> <li>• 1920x1080-30fps</li> <li>• 1280x720-60fps</li> </ul>
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, 2nd Generation
HD Video Communications	Make point-to-point calls or join multipoint calls
Free video-based training	<a href="http://www.lifesize.com/training">www.lifesize.com/training</a>

## System Components

LifeSize codec  
HD PTZ LifeSize Camera 10x  
LifeSize MicPod or LifeSize Phone, 2nd Generation  
Wireless remote control  
Power supply/cables

## Communications

H.323, SIP, 128 Kbps–4.0 Mbps  
1xRJ-45 Network LAN  
1x3.5 mm Mic In for LifeSize MicPod  
1 x RJ-45 for LifeSize Phone, 2nd Generation or LifeSize Networker (optional)

## Support for Multiple Displays

Any HD displays supporting HDMI or DVI-I input  
For additional information on displays, visit:  
[www.lifesize.com/support](http://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 (1280x720 pixels (a p60) high definition  
1.7 Mbps or higher (1920x1080pixels) high definition

## Video Standards

H.261, H.263, H.263+, H.264 and H.239 and BFCP compliant with Polycam®  
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)

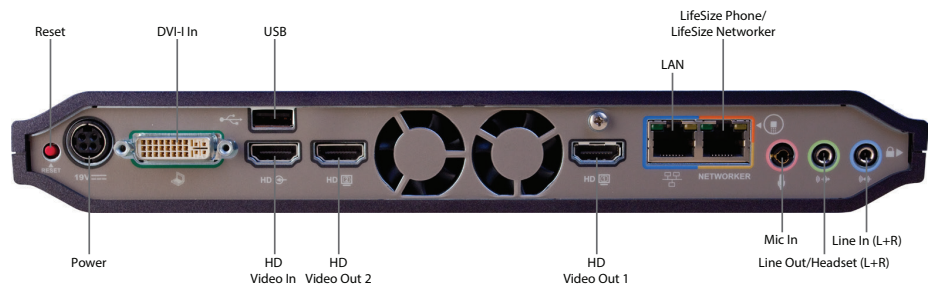
2 x HD digital video out (1080p30/720p60)

## 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

GIPS 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, 2nd Generation) (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, 2nd Generation) (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® 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

## 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 Networking 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 and 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 (Annex O)

## 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

LifeSize Express 220 = LFZ-018



Microsoft® qualified with Microsoft® Office Communications Server 2007 R2™ and interoperable with Microsoft® Lync®



**Headquarters**  
Austin, Texas, USA  
+1 512 347 9300  
Toll Free US +1 877 543 3749

**EMEA Regional Office**  
Munich, Germany  
+49 89 20 70 76 0  
Toll Free Europe +00 8000 999 09 799

[www.lifesize.com](http://www.lifesize.com)  
E-mail [info@lifesize.com](mailto:info@lifesize.com)

**APAC Regional Office**  
Singapore  
+65 6303 8370



Delivering the Ultimate Communication Experience

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