

Full High Definition video communications -- Now more accessible than ever



## Feature-rich, Full HD Video is Here

Extending the capabilities of the award-winning LifeSize® Express™ system, LifeSize® Express 220™ is an enhanced 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. Support for dual high definition displays, Full HD camera, and phone or microphone options, LifeSize Express 220 offers the ultimate flexibility.

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 products in the LifeSize 220 Series, 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

High definition quality. Simplicity. Meaningful team connections. LifeSize Express 220 is clearly how video communications is meant to be.

### LifeSize Express 220 Key Features

Video Quality

Full High Definition Standards-based  
1920x1080 - 30fps  
1280x720 - 60fps

Multiple HD Monitors



HD Camera



HD Audio



External Audio & Video Input/Output

Audio: 5 in, 4 out  
Video: 2 in, 2 out

Point-to-Point HD Video Communications



# Product Specifications - LifeSize® Express 220™

## System Components

LifeSize codec  
High Definition PTZ LifeSize Camera 200 or  
LifeSize Camera 10x  
LifeSize MicPod or LifeSize Phone  
Wireless remote control  
Power Supply  
Cables

## Communications

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

## Support for Multiple Displays

Any high definition displays supporting HDMI or DVI-I  
input  
For additional information on displays, visit:  
[www.lifesize.com/support](http://www.lifesize.com/support)

## High Definition 1080p30/720p60

### PTZ Camera

Wide-angle zoom lens with 70 degree field of view  
Up to 4x/10x optical zoom on LifeSize Camera 200/10x  
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  
384Kbps (912x512pixels) DVD resolution  
512Kbps (1024x576pixels)  
768Kbps (1280x720pixels) High Definition  
1.1Mbps (1280x720pixels @p60) High Definition  
1.7Mbps or higher (1920x1080pixels) High Definition

## Video Standards

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

## Video Formats

High Definition, 16:9 aspect ratio

## 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)

## High Definition Audio

Single omni-directional LifeSize MicPod  
100Hz up to 16 kHz  
Mute button (Micpod only)  
Powered by codec directly through cable

## Audio Features

High Definition audio  
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  
MicPod or Dual MicPod support (optional)

## Audio Standards

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

## 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

## Stream/Recording

Record/Stream outside of a call  
Record/Stream point-to-point or multipoint calls  
Capture all call participants  
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 1000 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

## 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%, non-condensing  
Storage temperature: -20 C (-4 F) to 60 C (140 F)  
Storage humidity: 10% to 90%, non-condensing

## Codec Dimensions

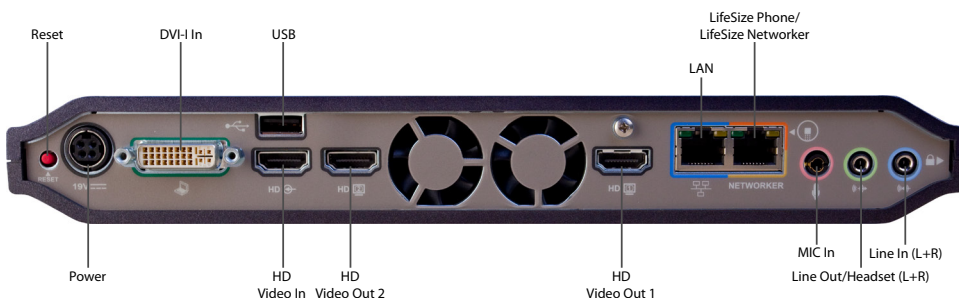
Width: 288mm (11.34")  
Depth: 187.5mm (7.38")  
Height: 41.3mm (1.63")  
Weight: 1.29Kg (2.84 lbs)

## Regulatory Model Number

LifeSize Express 220 = LFZ-018

For additional information: [www.lifesize.com/support](http://www.lifesize.com/support)

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