LifeSize®
A division of Logitech

LifeSize® UVC Video Center™

LIFESIZE® UVC PLATFORM™

Be Everywhere.
Live … or On Demand.

The world's most powerful one-button HD streaming, recording and auto-publishing solution

Share knowledge and communicate business-critical information via video. This single solution ensures that live and on-demand videos are easily accessible from any location.

Superior Recording & Broadcast Capabilities
LifeSize UVC Video Center, now available on the LifeSize® UVC Platform™, supports an unrivaled number of concurrent recordings, on-demand streams and simultaneous live streams, all in 720p30 HD video. With the simple push of a button,* you can record and broadcast executive updates, business presentations, sales meetings and training sessions as well as share data, charts and images. You can also upload up to 1080p30 video files for playback on demand.

Automatic adaptive streaming optimizes live and on-demand videos for every viewer—desktop, laptop, tablet or phone. The viewing device automatically selects the best playback rate based on bandwidth conditions, thus ensuring a quality viewing experience with minimal delays or buffering.

Enterprise Solutions Without Headaches
LifeSize UVC Video Center makes life easier for IT administrators, who can add users and create recording keys so that authors can auto-publish video content. Multicasting improves bandwidth utilization for live streaming to large audiences, and federation links multiple UVC Video Centers across geographic locations so you can access and share video content without putting strain on network bandwidth.

Integration with active directory simplifies user and group management, and a built-in reporting feature gives insight into user viewing patterns. In addition, UVC Video Center scales to enterprise needs through support for network storage and centralized video asset management. UVC Video Center also offers API support for integration with third-party applications, including Learning Management Systems. And you can embed live and recorded videos in websites and social media tools.

Ultimate Control and Flexibility
UVC Video Center offers flexible licensing so you can buy the capacity you need today and scale as you grow—thus ensuring improved utilization of IT resources and dollars. LifeSize UVC Video Center also offers two levels of feature options, a Standard Edition and an enhanced, feature-rich Enterprise Edition.

LifeSize UVC Platform
LifeSize UVC Video Center is part of the LifeSize UVC Platform, which consolidates the capabilities of multiple single-purpose video infrastructure products and makes them instantly accessible from one common interface. Available as virtual machine software or hardware, the UVC Platform enables immediate deployment of UVC Video Center with an easy try-before-you-buy option.

Now, any company can record and stream HD-quality video to thousands of viewers anywhere in the world.

Note: LifeSize UVC Video Center has been optimized to run on VMware® virtualization technology.

LifeSize UVC Video Center Key Features

Simplifies Streaming Across UVC Video Centers	**Add scale and conserve bandwidth by federating multiple UVC Video Centers**
Interactive Communications	**Live chat allows viewers to communicate and share information via text**
Streams to More Devices	**View from any computer (Mac or PC), iPhone®, iPad® or iPod®**
Highly Scalable	**Utilize multicasting to expand streaming capacity and save bandwidth costs**
Optimized Playback Quality	**Automatic adaptive streaming for every device**
User-Controlled Layout	**Easily switch between layouts during playback**
Customizable UI	**Add branding elements to user interface**
Administrator Controls	**Active directory, reporting features, NAS, REST API**
Accelerated Deployment	**Deploy within minutes on LifeSize UVC Platform**

*Applicable for LifeSize® 220™ series systems, LGExecutive, powered by LifeSize®, LifeSize® Passport™ and LifeSize® Passport Connect™.

System Components

Available as
- LifeSize UVC Platform virtual machine software
- Rack-mountable LifeSize® UVC 1100™ hardware

Delivered via LifeSize UVC Platform
Based on security-hardened Linux OS

Compatibility

Record video and data from any LifeSize® 220™ series endpoint with 4.6 or newer software
Record video and data from LifeSize® Passport™, Passport Connect™ and LG Executive, powered by LifeSize®, out of call only, with 4.8 or newer software
Record video and data from LifeSize non-220 series endpoint or non-LifeSize endpoint using SIP dial-out from LifeSize UVC Video Center*
Playback on Windows®-based, Linux®-based and Mac® computers, iOS devices
Major web browsers supported

Flexible Licensing**

Ability to increase recording and streaming capacity
Supports up to 20 HD recordings (using LifeSize 220 Series)
Supports up to 1,000 HD live streams
Trial Mode: Enterprise edition, up to 5 HD recordings, 250 HD live streams

Supported Uses

Record/stream outside of a call, point-to-point or multipoint calls
Stream to mobile devices (ENT)
Capture call participants with primary and secondary video
Single-button recording
On-the-fly transcoding to lower bitrate for live streaming
Archive, import up to 1080p30 HD videos
Embed videos into web pages

Recording Capabilities

Records audio, video (up to 720p30) and data
Dynamically captures video and data, no preconfiguring required
Auto down-speed recording bitrate
Capture near-end video, far-end video or both (applies to LifeSize 220 series endpoints)
Auto-publishing support with a recording key
Recording indicator overlay is visible only during the live call, not in the recorded video (available for LifeSize 220 series endpoints)
Recording key-based authorization
Up to 4 concurrent HD transcodes, including SIP dial-out, mobile streams and adaptive streams

API (Application Programming Interface)

Seamlessly integrate LifeSize UVC Video Center with external systems using REST APIs
Authentication support and highly scalable

Reporting

Access reports to track viewing patterns
Download raw CSV data per video to build custom reports

Storage

Large internal storage for HD videos (1 TB in UVC 1100 appliance) MD RAID 10
Further extend storage available for videos using Network Attached Storage (NAS)—NFS and CIFS/SMB (ENT)

Auto-Publishing

Automatically attaches titles and tags recordings, files them to the proper channel, assigns access privileges and publishes videos to the web

Streaming Capabilities

Supports up to 1,000 live 720p30 HD viewers
Streams 1080p30 uploaded videos
Supports up to 350 on-demand 720p30 HD viewers
Live streaming—unicast and multicast
On-demand streaming (unicast)
Instantly available on-demand videos
Stream videos to iPad®/iPhone®/iPod® devices (ENT)
Fixed layouts while streaming video and data to mobile devices (ENT)
Static streaming URLs
Dynamic user-controlled playback layout on PC and Mac: side-by-side, picture-in-picture, video focus, data focus
Automatic adaptive bitrate streaming for best user experience

Video and Audio Format

High Definition, 16:9 aspect ratio
H.264 video, AAC-LC audio

Content Management

Multilingual web user interface (10 languages)
Supports video metadata, comments and downloads
Edit thumbnails and attach files to video page
Advanced search
Supports fixed URLs

Chat (ENT)

Real-time text chat
Scales up to 1,000 participants while watching a single video

Federation (ENT)

Minimizes bandwidth utilization between sites for live videos
Easily share content across multiple distributed LifeSize UVC Video Centers
Enables predictable bandwidth planning and scalable WAN streaming
Seamless to remote viewers

Multicasting (ENT)

Supports large-scale live streaming, one-time configuration
Admin-selected site wide multicast layout option

User Access Control

Security-based profiles and permissions
Users only see videos they have privileges to access
Recording key prevents unauthorized recordings

System Management

Incremental FTP backup
Firmware update tool
Allow admin to monitor or terminate ongoing recording and streaming session
Supports local and corporate LDAP directory users/groups
Supports offline transcodes
Full and partial restore facility

LifeSize UVC Virtual Machine Software

Supported on VMware ESXi 4.0 and higher
vCPU: 4, vRAM: 6 GB, Disk space: 100 GB
Network interfaces: 10/100/1000 Ethernet adapter
Configurable by administrator

LifeSize UVC 1100 Hardware Configuration

Rack mountable (1U)
Dimensions: 17.2"W x 1.7"H x 19.8"D
Dual GigE Network Adapters, 2 X RJ-45
Redundant hard drives, MD RAID 10
AC voltage: 100–240V, 50–60 Hz, 5A max

LifeSize UVC 1100 Environmental Data

Operating temperature: 10°C (50°F) to 35°C (95°F)
Operating humidity: 20% to 95%, noncondensing
Storage temperature: -40°C (-40°F) to 70°C (158°F)
Storage humidity: 5% to 95%, noncondensing
Weight: 17.2 kg (38 lbs)
Sustained load = 249 watts (850 BTU/hr)
Idle = 135 watts (461 BTU/hr)

Integration to VBrick®

LifeSize Video Center v1.2 later and LifeSize UVC Video Center support integration with VBrick Enterprise Media System (VEMS) v5.4 or later

ENT: LifeSize UVC Video Center Enterprise Edition feature

*Refer to the latest software release notes for a list of non-LifeSize devices supported.

**For capacity updates, see the UVC Platform Deployment Guide on the support page of the LifeSize website.

Performance and Capacity (Using UVC 1100 Hardware Appliance)

Bitrate	Resolution	Concurrent Recordings †	Live Viewers	On-Demand Viewers	Hours of Storage (on 1 TB disk)
768 Kbps	720p30	20	1,000	350	2,600
384 Kbps	480p30	40	2,000	400	5,200
270 Kbps	360p30	50+	2,500	450	7,800

Each of the above concurrent recordings/live viewers/on-demand viewers are independent numbers. Presentation stream was not part of the recorded stream. Based on LifeSize internal testing, using LifeSize 220 series endpoints.

† Data presented requires 20 licenses or more.