

Lifesize[®] UVC Video Center[™]

Be Everywhere. Live or On Demand.

Lifesize UVC Video Center delivers on-premises HD streaming, recording and auto-publishing. With the simple push of a button, users can record and share executive updates, business presentations, sales meetings and training sessions as well as share data, charts and images.*

Live and on-demand videos are automatically optimized for every viewer – desktop, laptop, tablet or phone – ensuring a quality viewing experience with minimal delays or buffering.

Frustration-Free Streaming and Recording

Lifesize UVC Video Center makes life easier for IT administrators, who can let authors auto-publish video content. It supports an unrivaled number of concurrent recordings, on-demand video streams and simultaneous live streams, up to 720p30 HD video. Thanks to features like federation, users can not only broadcast and record videos at the press of a button but also reach even broader audiences in more places without stressing the organization's network or budget.

Collaboration Made Simple

Integration with Active Directory simplifies user and group management, and a built-in reporting feature gives insight into user viewing patterns. Users can also add chapters and closed captions to their videos or embed them in websites and social media tools. In addition, Lifesize UVC Video Center offers API support for integration with third-party applications and a plug-in for Blackboard Learn[™], the leading learning management system in higher education.

Lifesize UVC Video Center At-A-Glance

Streams to More Devices

View from any computer (Mac[®] or PC), iPhone[®] or iPad[®]

SIP Dial-in

Record up to 720p30 HD from any SIP device

Streaming across Lifesize UVC Video Centers

Add scale and conserve bandwidth by federating multiple Lifesize UVC Video Centers

Interactive Communications

Share information via live chat or comments

User-Controlled Layout

Easily switch between layouts during playback

Customizable User Interface (UI)

Add branding elements to UI

Administrator Controls

Active Directory, reporting features, NAS, REST API

Closed Captions

Create or upload subtitles

Flexible Licensing

Scale as your needs grow

*Applicable with Lifesize[®] Icon[™] and Lifesize[®] 220s[™].

Lifesize UVC Video Center

Specifications

Configuration (hardware specific)

- Rack-mountable Lifesize® UVC 3350 hardware
- Dimensions: 17.2" W x 1.7" H x 25.6" D
- Intel i350 Dual Port Gigabit Ethernet (on board) 2 x RJ45
- Redundant hard drives, MD Raid 10 for fault tolerance
- Stores up to 2,600 hours for HD video (SATA 6 Gbps) at 768 Kbps (Lifesize UVC Video Center)
- Power: AC Voltage: 100V–240V 50/60 Hz, 7.5 Amps
- Redundant Power (Hot Plug): AC Voltage: 100V–240V 50/60 Hz, 5-3.8 Amps (Power=700 watts) [80 Plus Gold Certified]

Environmental Data (hardware specific)

- Operating temperature: 5°C (41°F) to 35°C (95°F)
- Operating humidity: 8% to 90%, noncondensing
- Storage temperature: –40°C (–40°F) to 60°C (140°F)
- Storage humidity: 5% to 95%, noncondensing
- Weight: 13.34 kg (29.4 lbs)
- Sustained load: 250 watts (853 Btu/hr)
- Idle: 124.7 watts (425.48 Btu/hr)

Lifesize UVC Virtual Machine Software

- Supported on VMware vSphere® Hypervisor (ESXi) 5.1 and higher (free up to 8 vCPUs) and Microsoft® Hyper-V® 2.0 and 3.0 (free up to 64 vCPUs)
- Network interfaces: 10/100/1000 Ethernet adapter
- Security-hardened Linux® OS
- Configurable by administrator

Authentication and Authorization

- Local user management

Integrated Web Interface

- Configure multiple applications on a single instance
- Multilingual web user interface — supports 10 languages: English, French, German, Italian, Japanese, Korean, Russian, Spanish, Simplified Chinese and Traditional Chinese
- Major web browsers supported (see release notes for details)

Integrated Licensing

- Web-based license management for product activation
- Supports online and offline modes of license activation

Flexible Licensing

- Ability to increase capacity

Security

- HTTPS-based web access
- SSH access for diagnostics
- Supports static NAT deployment
- Ability to lock down services for maintenance activities
- Supports deployment in DMZ or private LAN

Virtualization support

- VMware
- Microsoft® Hyper-V®

Top End Capacity

- 20 HD recordings
- 2,000 HD live web streams (through NIC bonding)
- 350 on-demand streams
- 15 concurrent HD transcodings (SIP calls or mobile transcodes)

Compatibility

- Record video and data from: Lifesize Icon and Lifesize 220s with 4.6 or newer software and non-Lifesize video systems using SIP
- Playback on Windows-based, Linux®-based and Mac computers, iOS devices
- Major web browsers supported
- IPv6 support

Supported Uses

- Record/stream outside of a call, point-to-point or multipoint calls
- Stream to mobile devices
- 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

- Record audio, video and data
- Dynamically capture video and data; no preconfiguration

- Recording bitrate dynamically adjusts to network traffic
- Capture near-end video, far-end video or both (applies to Lifesize Icon and Lifesize 220s)
- Auto-publishing support with a recording key
- Recording indicator is visible only during the live call, not in recording (available for Lifesize Icon and Lifesize 220s)
- Recording key-based authorization
- IVR for PIN and recording key entry during SIP-based recording
- Supports audio- and data-only streaming
- Supports BFCP for presentation streams in SIP-based recordings
- Supports lost packet recovery for video 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 (hardware specific)

- Large internal storage for HD videos (1 TB in UVC appliance)
- MD RAID 10

Storage

- Further extend storage available for videos using network attached storage (NAS) — NFS and CIFS/SMB

Auto-Publishing

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

Streaming Capabilities¹

- Supports up to 2,000 live 720p30 HD viewers
- Streams up to 1080p30
- Supports up to 350 on-demand 720p30 HD viewers
- Live streaming (unicast)
- On-demand streaming (unicast)
- Secure streaming support — RTMPS
- Supports RTMP tunneling over port 80 — RTMPT

Lifesize UVC Video Center

- Instantly available on-demand videos
- Stream videos to iPad/iPhone/iPod devices
- Fixed layouts while streaming video and data to mobile devices
- 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 and G.711 audio

Chat

- Real-time text chat, scales to 1,000+ participants

Closed Captions (CC)

- Create or upload subtitles in multiple languages
- PC, Mac and iOS players support CC text display
- Search through subtitles

Content Management

- Supports video metadata, comments and downloads
- Edit thumbnails and attach files to video page
- Advanced search
- Add chapters to video timeline
- Supports fixed URLs

Federation

- 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
- Monitor videos streamed to subscriber nodes

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

User Access Control

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

System Management

- Incremental FTP/NAS backup
- Supports static NAT deployment under section "System Management"
- Registers to SIP registrars to enable click-to-record
- Allows admin to monitor or terminate ongoing recording and streaming sessions
- Supports local and corporate LDAP directory users/groups
- Supports offline transcoding of video formats and resolutions
- Factory reset
- Full and partial restore facility

Integration with Blackboard Learn

- Integration with Blackboard Learn ver 9.1 or later
- Allows viewing of live or on-demand videos from the Blackboard Learn web UI
- Adheres to permissions defined on Blackboard Learn

Performance & Capacity (Using Lifesize UVC Hardware Appliance)

Bitrate	Resolution	Concurrent Recordings ²	Live Viewers ³	On-Demand Viewers	Hours of Storage (on 1 TB disk)
768 Kbps	720p30	20	2,000	350	2,600
384 Kbps	480p30	40	4,000	400	5,200
270 Kbps	360p30	50+	5,000	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. Data is based on Lifesize internal testing, using Lifesize 220s.

¹Scalable streaming through NIC bonding

²Data presented requires 20 recording licenses or more. Under 20 licenses, concurrent recording and viewers are fixed at any bitrate.

³Through NIC bonding on Lifesize UVC hardware and VMware.

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