AVI⬧SPL®

Cloud Recording & Streaming

AVI-SPL Cloud Recording & Streaming enables organizations to record and share, and live stream to any device, directly from video conferencing endpoints and virtual meeting rooms (VMRs).

With use cases ranging from live streaming of town hall meetings and customer events to recording of recruitment interviews and recurring internal meetings, AVI-SPL provides a cloud solution that is flexible, cost effective and easy to use.

Easy to use, only one call away
To start and stop a live streaming and/or recording session is as easy as calling another person on video. Users can start a session by calling from their video conferencing endpoints or VMRs to their own cloud record/stream video address, and when they want to stop, they simply disconnect the session.

Alternatively, users can start/stop live streams and/or recordings via the cloud service' easy-to-use web interface by calling to their endpoints or VMRs as well as monitor ongoing sessions and access and share previous recordings.

Leverage existing equipment
AVI-SPL Cloud Recording & Streaming works with standards-based video conferencing endpoints, clients and virtual meeting rooms from top vendors such as Acano, Cisco, LifeSize, Pexip and Polycom.

Organizations may leverage their existing high quality video conferencing endpoints (and meeting rooms) for e.g. provide high quality live streaming for their viewers. For users with their own personal VMR, their personal recorder is only one video call away.

Playback and live stream on any device
The cloud service is compatible with modern Operating Systems, browsers and devices. Recorded videos are in MP4 format that can be downloaded and/or played on devices and systems.

Live stream viewers are automatically served with the best possible quality based on local network condition and device type. Live streaming uses HTTPS and traverse firewall port 443 with ease.
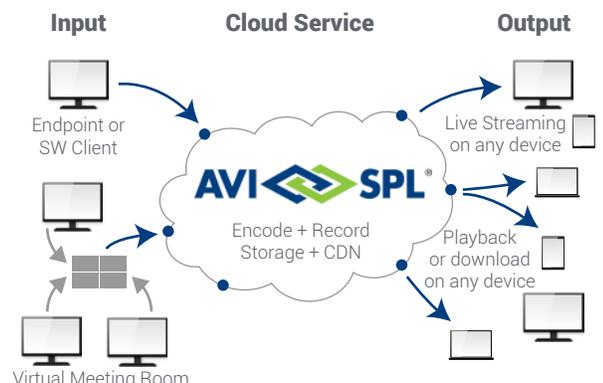
Built for cloud, secured as a cloud
AVI-SPL Cloud Recording & Streaming is architected for and operated as a secure cloud service. Call setups and sessions between endpoints/VMRs and the cloud service are always encrypted, access to recorded videos is encrypted and requires authentication by the video owner (the user), and any download/ transfer of videos are encrypted. Organizations can use the secure cloud storage or automatically transfer recorded videos to their own servers using secure FTP.

Automate workflow processes
The cloud service is compatible with existing video conferencing scheduling platforms, enabling automated recording and live streaming of recurring meetings and events. Recorded videos with metadata can automatically be made available on intranets and websites, either by referencing videos stored in the cloud service via the cloud API or videos that have been transferred to organization's own server via secure FTP.

Scalable and cost effective
AVI-SPL provides a highly scalable cloud service where organizations are not limited by the number of users or number of concurrent recording or streaming sessions. Organizations can empower select or all staff with cloud recording & streaming due to the strong affordability of the cloud service vs conventional approaches.

Input   Cloud Service   Output

AVI-SPL Cloud Recording & Streaming enables any video call and meeting to be recorded, shared or downloaded, and optionally streamed live to any device. Starting a live streaming and/or recording is as easy as calling another person on video.

Global Delivery Platform for Best Quality

AVI-SPL Cloud Recording & Streaming is deployed in multiple datacenters connected to a global Content Delivery Network (CDN) for best quality regardless of input or viewer location. Recording and storage can be fixed to one data center location for compliance with local or national law.

Protocols Signaling: SIP/SDP over UDP, TCP and TLS Media: RTP and SRTP (DTLS and SDES), Telephone-event (RFC 4733), ICE, HTTPS
Audio Codecs G.711 (PCMU and PCMA), G.722.1, Opus
Video Codecs H.264 AVC (pack mode 0 & 1), VP8
Live Streaming Player: JW Player, Streaming format: Apple HLS, Adobe RTMP, Adobe HDS Microsoft Smooth Streaming, MPEG-DASH. Transcoding: 720p, 360p, 160p, 128Kbps (audio-only)
Media File Formats Recordings are stored in 720p MP4 with the following codecs AAC (Audio) and H.264 (Video).