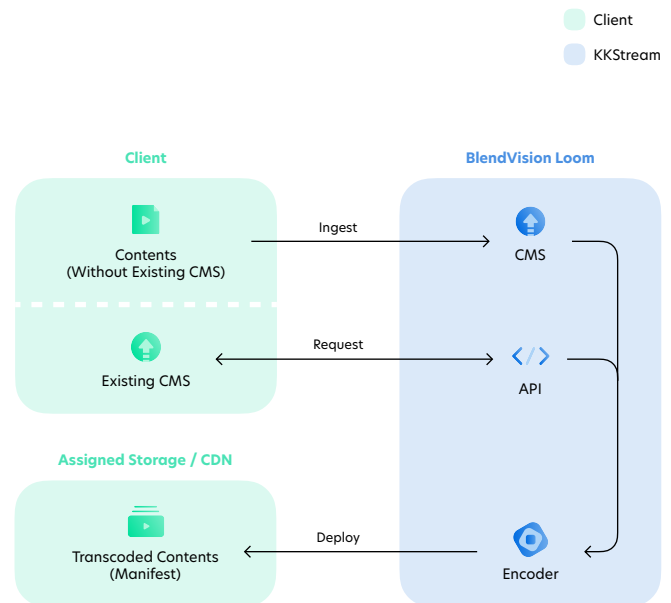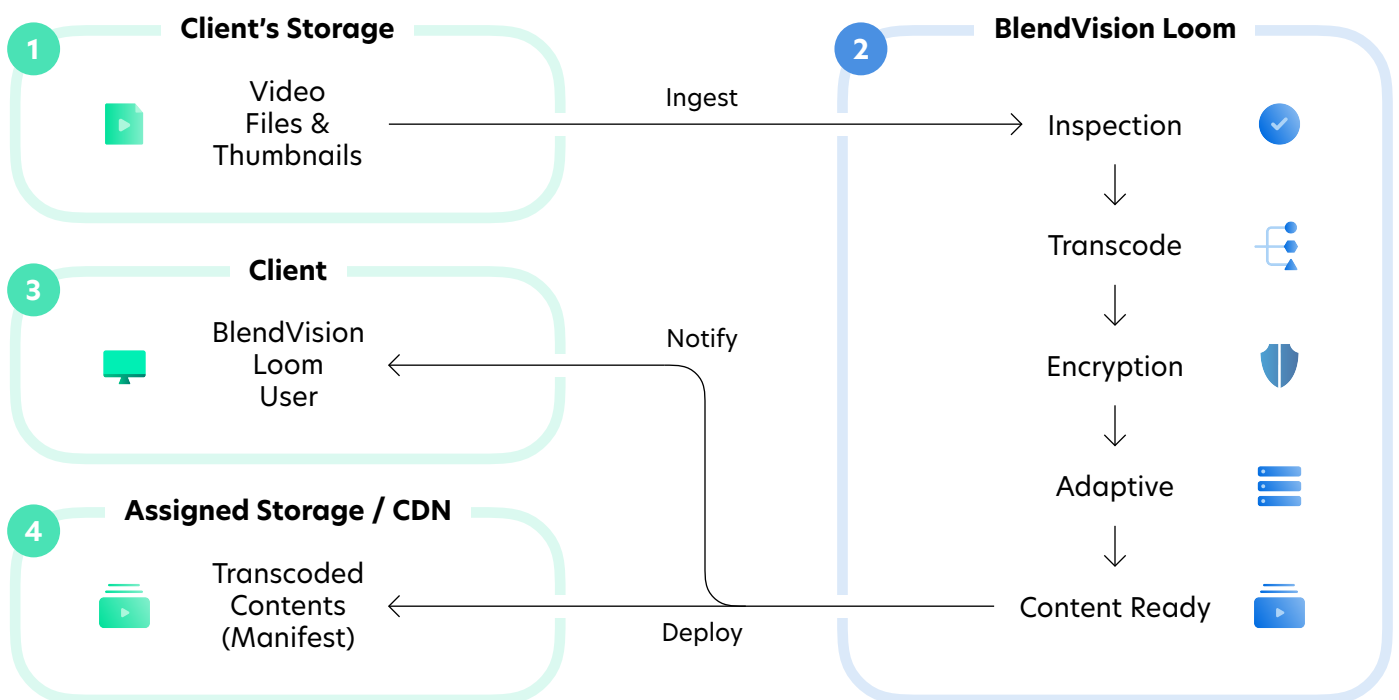# BlendVision
LOOM

A lightweight but powerful video encoding solution featuring next generation transcoding, comprehensive content protection and unlimited scalability.

Ways of leveraging BlendVision Loom

Register for a BlendVision Loom account and start using our intuitive web console:
- User friendly content uploader
- Optimized encoder settings
- Encoding status notification
- Content preview
- Bandwidth usage dashboard

Integrate BlendVision API to your existing video CMS. Encoding process can be triggered with a granted access key, transcoded content will be directly deployed to your CDN or assigned output storage.

Client
KKStream

Client

Contents
(Without Existing CMS)

Existing CMS

BlendVision Loom

CMS

API

Encoder

Ingest

Request

Deploy

Assigned Storage / CDN

Transcoded Contents
(Manifest)

How does BlendVision Loom work

1 **Client's Storage**

Video Files & Thumbnails

Ingest

2 **BlendVision Loom**

Inspection

↓

Transcode

↓

Encryption

↓

Adaptive

↓

Content Ready

3 **Client**

BlendVision Loom User

Notify

4 **Assigned Storage / CDN**

Transcoded Contents (Manifest)

Deploy

Features

Video CMS	Content Uploader: • Direct ingestion • API batch upload • Pull input from Azure Blob/ AWS S3
	Profile present configuration: • Codec • Output resolution • Bitrate
	Video source inspection
	Encoding progress monitor and status notification
	Preview window
	Track encoding and streaming usage
Encoding optimization	Smart ABR
	Per-Title-Encoding
	Content Protection: • AES-128 Key: Easier integration but limited protection. • DRM: Hollywood grade protection. • Widevine, FairPlay, and PlayReady certified token issued per project. DRM+: Hollywood grade protection. Widevine, FairPlay, and PlayReady certified token issued per playback request. Highest level of protection.
	Encoding lead time management
	Thumbnail seeking
	HDCP
	Embedded/ Burn-in Subtitle
	Multiple audio tracks encoding

Spec

Category	Support
Output Cloud Storage	Azure Blob, AWS S3
Streaming Protocol	MPEG-DASH, HLS
Output Video Codec	H.264/AVC, H.265/HEVC
Output Audio Codec	AAC-LC
Content Protection	AES128 Key, Google Widevine, Apple FairPlay, Microsoft PlayReady
Input Container	.mpg, .m2ts, .mp4, .mov, .ts, .mkv, .av
Input Video Codec	H.264/AVC, H.265/HEVC
Input Audio Codec	AAC-LC, MP3
File size	Up to 30GB
HDR	HDR10, HLG