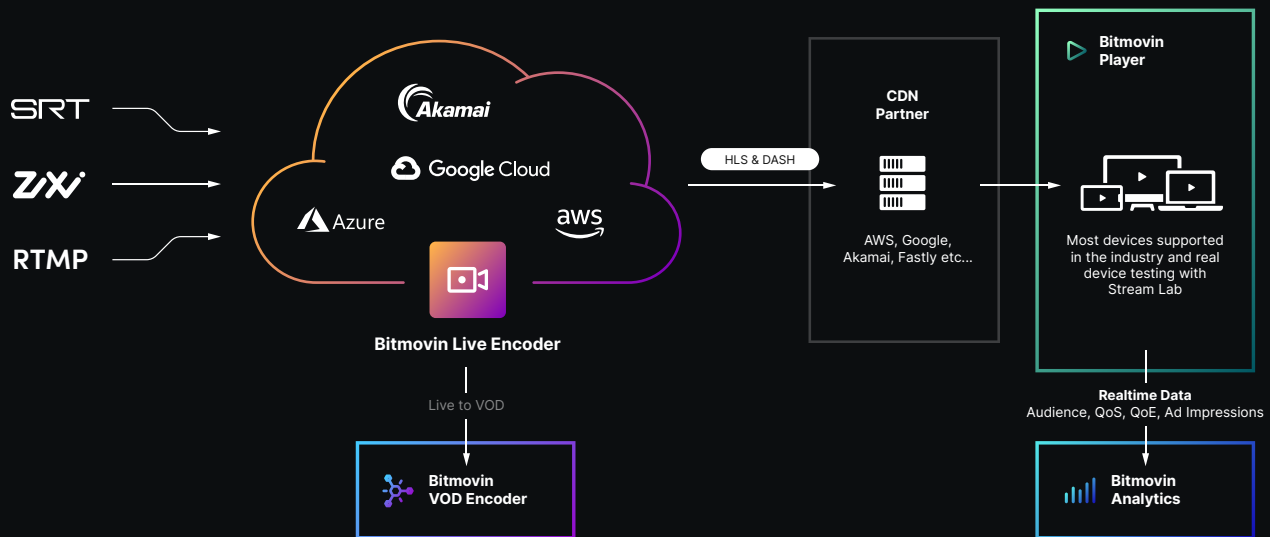# The Bitmovin Live Encoder: Delivering unbreakable Live content, in the highest quality possible

The Bitmovin Live Encoder has been built upon our award winning, file based VOD Encoding platform to offer a live encoder that delivers the highest levels of audio and video quality, with resilience that customers can rely on. From our dashboard interface and simple templates to our code samples and extensive APIs, we provide new users and developers of any skill level the tools to get started quickly and grow their business with a fully customizable, scalable solution. Take advantage of our experience and raise your Live Streams to the next level.

Benefits

- Highly resilient recovery on loss of input, dual inputs and distributed architecture
- Scale and Support with the extensive SDK selection, Customer Support and Developer Community
- Ease of use with the choice of Simple or Advanced API to adapt to your workflow
- Fair and flexible pricing with multiple deployment & payment options
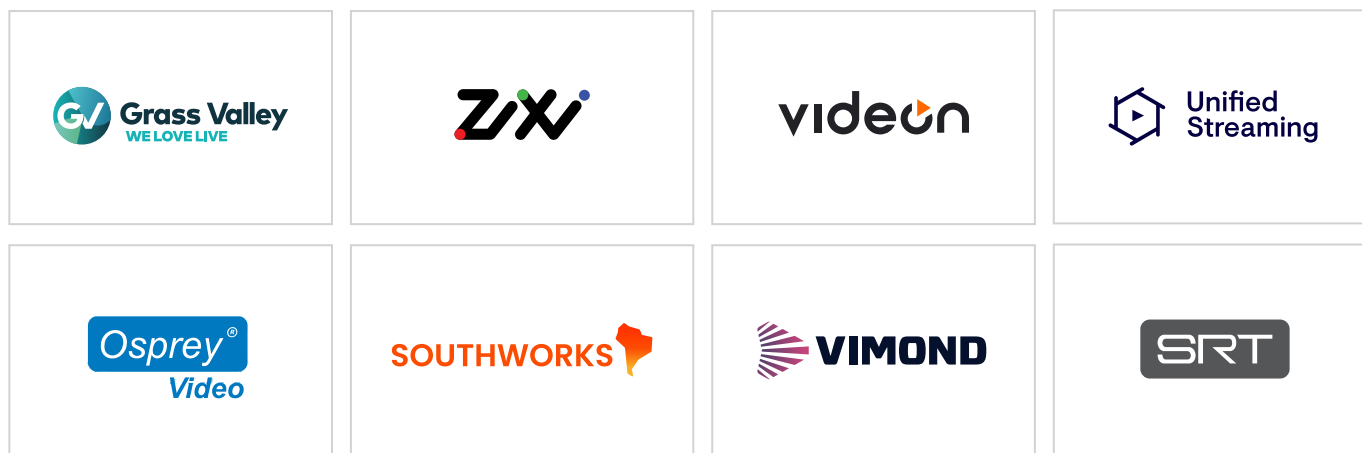
Key Features

- RTMP, SRT & Zixi Resilient Inputs
- Supported in Google, Azure and AWS Public Clouds
- Managed SaaS or deploy in your own cloud with Bitmovin Cloud Connect
- Digital Rights Management (DRM) support for Hollywood grade encryption
- H.264, HEVC & VP9 support
- SD, HD and 4K
- Closed Caption Support
- Automated and Timed shutdown to support cost management
- Live to VOD – for instant replay
- Insert MP4 media as source

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▷ Playback   ⊶ VOD Encoding   ◲ Live Encoding   ☁ Streams   **www.bitmovin.com**

Live Event Encoder Features and Capabilities overview

INPUT RESOLUTIONS

SD
480i
576i
HD
720p
1080i
1080p
4K
2160p
Portrait (mobile)

INPUT VIDEO CODECS

MPEG-2
MPEG-4
AVC/H.264
HEVC/H.265

INPUT AUDIO CODECS

AAC
AC3
PCM

OUTPUT VIDEO CODECS

AVC/H.264
HEVC/H.265
VP9

INSERTABLE CONTENT

Mezzanine video files
Images

OUTPUT AUDIO CODECS

AAC-LC
HE-AACv1
HE-AACv2
AC3
Vorbis
Opus

INPUT TRANSPORT PROTOCOLS

RTMP
Zixi Receiver
SRT Caller
SRT Listener

DRM

Widevine
PlayReady
Marlin
FairPlay

SCTE-35

Inband MPEG-TS
API based cue insertion

OUTPUT STREAMING PROTOCOLS

MPEG-DASH
Apple HLS
DASH-IF Live Media Ingest

HDR - BETA

Hybrid-Log Gamma (HLG)

FILTERS

Motion Adaptive Deinterlace
EBU R128 Loudness
Scale, crop, rotate
Image overlay

SUBTITLES & CLOSED CAPTIONS

WebVTT & OCR into WebVTT
CEA-608/708
Burn-in subtitles

ORIGIN STORAGE

AWS S3
Google Cloud Storage
Azure Blob
Akamai NetStorage
Akamai MSL4 Support
Unified Origin
Generic S3 Adapter
(Oracle, Akamai, Wasabi, Backblaze)

MANAGED CLOUD

Amazon Web Services
Google Cloud Platform
Microsoft Azure
Akamai Connected Cloud

CLOUD CONNECT

Amazon Web Services
Google Cloud Platform
Microsoft Azure

Partners

Grass Valley WE LOVE LIVE
ZIXI
videon
Unified Streaming
Osprey Video
SOUTHWORKS
VIMOND
SRT

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Pricing configuration options

We understand that not all customers requirements are the same, we offer two modes for configuring our live encoder, each with a different pricing and billing option.

	LIVE ENCODING HD	CUSTOM LIVE CONFIGURATIONS
	Designed to meet the needs of the majority production workflows.	For edge use cases or driving new innovation and technologies forward.
Pricing	Simple and predictable pricing	Complex and customised pricing
Billing	Fixed effective hourly rate billed per minute	Billed using the Billable Minutes methodology
Output Video Codecs	H.264	H.264, H.265 and VP9
Maximum Output Frame rate	30 frames per second	120 frames per second
Maximum Output Resolution	Full HD (1920 × 1200)	4K (3840 × 2160)
Maximum Video Renditions	6	No limit
Output Audio Codecs	AAC	AAC, AAC-LC, HE-AAC, Opus, Vorbis
Maximum Audio Renditions	2	No limit
Manifest Support	HLS, DASH	HLS, DASH, DASH-IF
Maximum Output Manifests	2	No limit

Cloud providers, deployment models and advanced features (such as, DRM, filters, input and output protocols, captions and insertable content) are supported with both options.
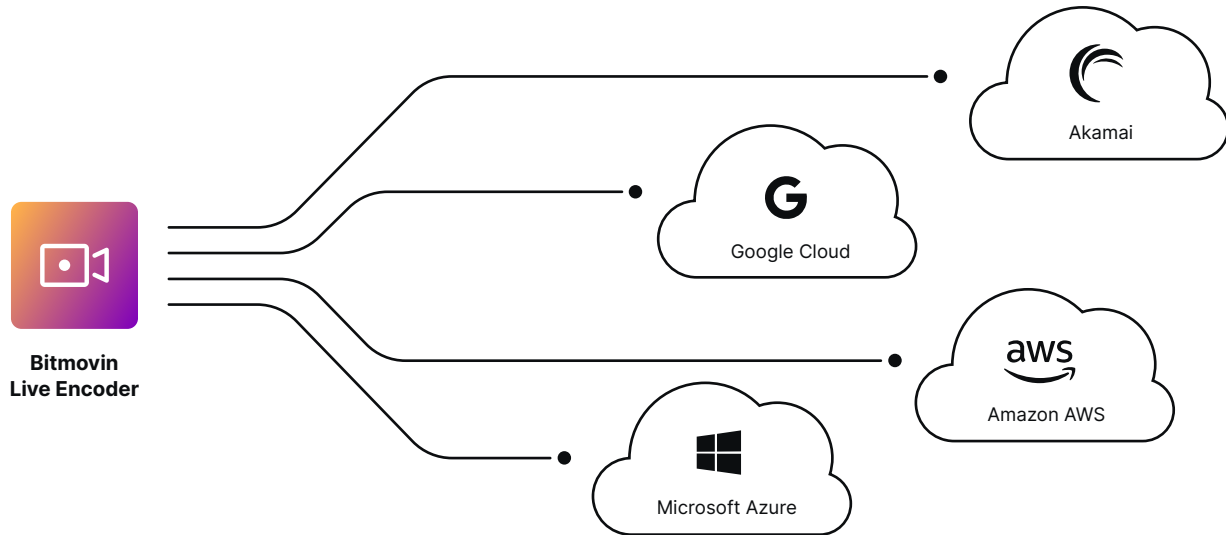
Buy through marketplaces

aws marketplace

Microsoft Azure Marketplace

Google Cloud Marketplace

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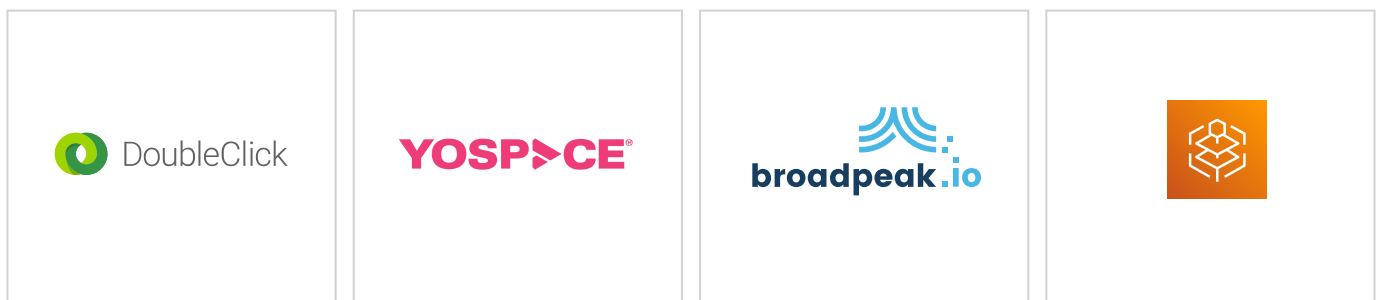# A professional SaaS Live Streaming product, with flexible deployments

Bitmovin has one of the only true SaaS products on the market. Signing up for an account (trial or PAYG, both with free credits) is automated and takes minutes. With a Bitmovin account users can take leverage our integrations with Public Cloud providers to deploy our software instantly at scale, across multiple cloud platforms and multiple regions using a simple configuration parameter.

Bitmovin software is deployed to instances that are readily available in all supported cloud providers, which enables us to scale up rapidly for high concurrency, with all infrastructure deactivated when the live encoding is completed, ensuring effective cost control and management.

Monetizing Live Streams

Bitmovin Live Encoder allows customers to monetize their content with advertisements, supporting both Server Side and Client Side Ad Insertion. For content that has ad-breaks set during production, customers can enable SCTE-35 pass-through mode. Customers can also insert new ad break cue points in real-time, using Live controls in the UI or via our API, in addition to existing any SCTE-35 markers.

Start your trial today

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