

# EdTech & eLearning

Enabling platforms to stream VOD and live content flawlessly to learners at home and on the go.

Bitmovin's easy-to-use APIs for Encoding, Playback, and Analytics empower EdTech and eLearning platforms to deliver the highest quality of experience to audiences globally. Rapidly deploy on and support the most devices and platforms in the industry and deliver remarkable quality even in limited bandwidth environments. With our out-of-the-box solution, we can provide the full workflow and also integrate into any existing video process.

## Key benefits Bitmovin enables:



### Guarantee quality of the learner experience

Ensure learners view content with the highest quality of experience anywhere in the world through adaptive bitrate (ABR) streaming, offline playback, and our modular player that reduces load time on app by up to 40%.



### Support any major device and platform

Reach more learners with Bitmovin's Player, which helps you deploy on the most devices in the industry and improve your playback on the platforms you already offer.



### Easily Integrate & customize features

With an easy to use & well-documented API library, Bitmovin's technology integrates easily into existing solutions and can be customized to your workflow needs.



### Rapidly encode content & scale streams

Make content libraries available quickly through our chunk-based cloud encoding & packaging, enabling you to stream to audiences on any device in HLS, MPEG-DASH, HSS & Progressive Download.



### Reduce cost of eLearning workflows

Platforms that own/provide content libraries, can save up to 90% in costs related to storage and CDN while delivering a better quality video to users at lower bitrates with our Per-title and 3-pass encoding.



### Secure content and ensure playback

Encrypt your stream or implement a multi-DRM with Bitmovin's Player that utilizes integrated content protection partners to help keep video secure.



Start your  
trial today

Our suite of solutions:  Encoding  Player  Analytics

[www.bitmovin.com](http://www.bitmovin.com)

## Player features and capabilities

### DEVICES SUPPORTED

PC: Mac, Windows & Chromebook

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iPhone, iPad, Apple TV

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Chromecast & Apple AirPlay

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Android Phone, Tablet & Android TV

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Amazon Fire Tablet & Fire TV

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Smart TVs - Samsung, LG, Hisense

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Microsoft Surface, Xbox One

### BROWSERS

Chrome, Firefox, Opera, Safari, Edge & IE 11

### STREAM & DEVICE TESTING

Bitmovin StreamLab  
(Client Facing Testing Feature)

### WORKFLOWS & PROTOCOLS

#### Video on Demand

HLS, MPEG-DASH, HSS

#### Live

Low Latency HLS (CMAF)

Low Latency DASH (CMAF)

### ADDITIONAL FEATURES

Adaptive Bitrate (ABR)

Multi-Language Audio

Offline Playback

Variable Speed Playback & Trickplay

4K / 8K / 360 / VR

Subtitles & Closed Captions

Multi-DRM Support

Advertising Integrations

Customizable Player UI

## Encoding - VOD & Live features and capabilities

### INPUT FORMATS

VOD: MP4, MOV + More

Live: RTMP, SRT, Zixi + More

### INPUT CODECS

File Codecs: H.261 - H.265, VP7-9 + More

Audio Codecs: AAC, MP3, Dolby Atmos + More

### OUTPUT VIDEO & AUDIO

Video Codecs: H.264 & H.265, VP8-9, AV1, + More

Audio Codecs: AAC-LC, MP3, + More

### OUTPUT PROTOCOLS

HLS

MPEG-DASH

HSS (VOD Only)

Progressive MP4 (VOD Only)

### DRM & ENCRYPTION

Major Multi-DRM Support

AES-128 Encryption

### SUPPORTED STORAGE

#### Live & VOD

AWS S3

Google Cloud Storage

Generic Object Storage

Akamai MSL4 Support & NS

#### VOD only

Azure Blob

FTP

SFTP

Aspera

### BITMOVIN CLOUD SUPPORT

Amazon Web Services

Google Cloud Platform

Microsoft Azure

### ADDITIONAL FEATURES

Closed Caption and Subtitles

HDR (VOD Only)

Content-aware encoding (Per-title)  
(VOD only)

Dolby Vision/Atmos/Digital(+)

Content Security Features  
(e.g. forensic watermarking)

## Analytics features and capabilities

### STREAM METRICS

Audience: Impressions, Unique Users + More

Performance: Start Up, Load & Seek Time + More

Quality: Bitrate, Scale Factor, View Time + More

Debugging: Error & Rebuffer Percentage + More

Comparison: Player info, Browsers, Platforms + More

### ADVERTISING METRICS

Audience: Impressions, Completion, Skipped + More

Performance: Ad Tag Load & Startup Time + More

Debugging: Error Percentage + More

### FILTERS & BREAKDOWNS

Browser

CDN Provider

Country

Domain

Experiment

Internet Service Provider

Operating System & Platform

Video Type & Codec

Custom Data Fields

+ More

### ANALYTICS SCREENS

API Explorer

Countries

Error Data

Network Explorer

Session Tracking

Top Errors

Video Bitrate Heatmap

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trial today

Our suite of solutions:  Encoding  Player  Analytics

 BITMOVIN