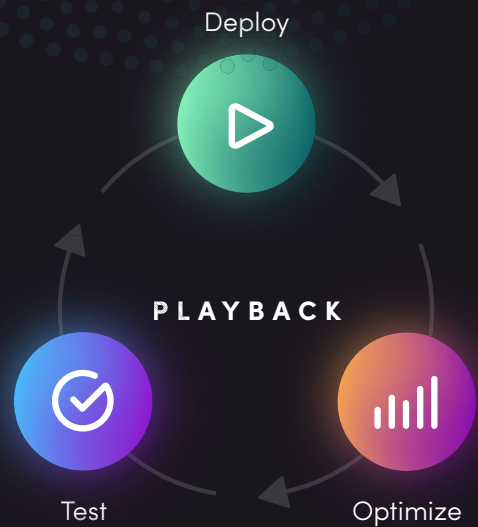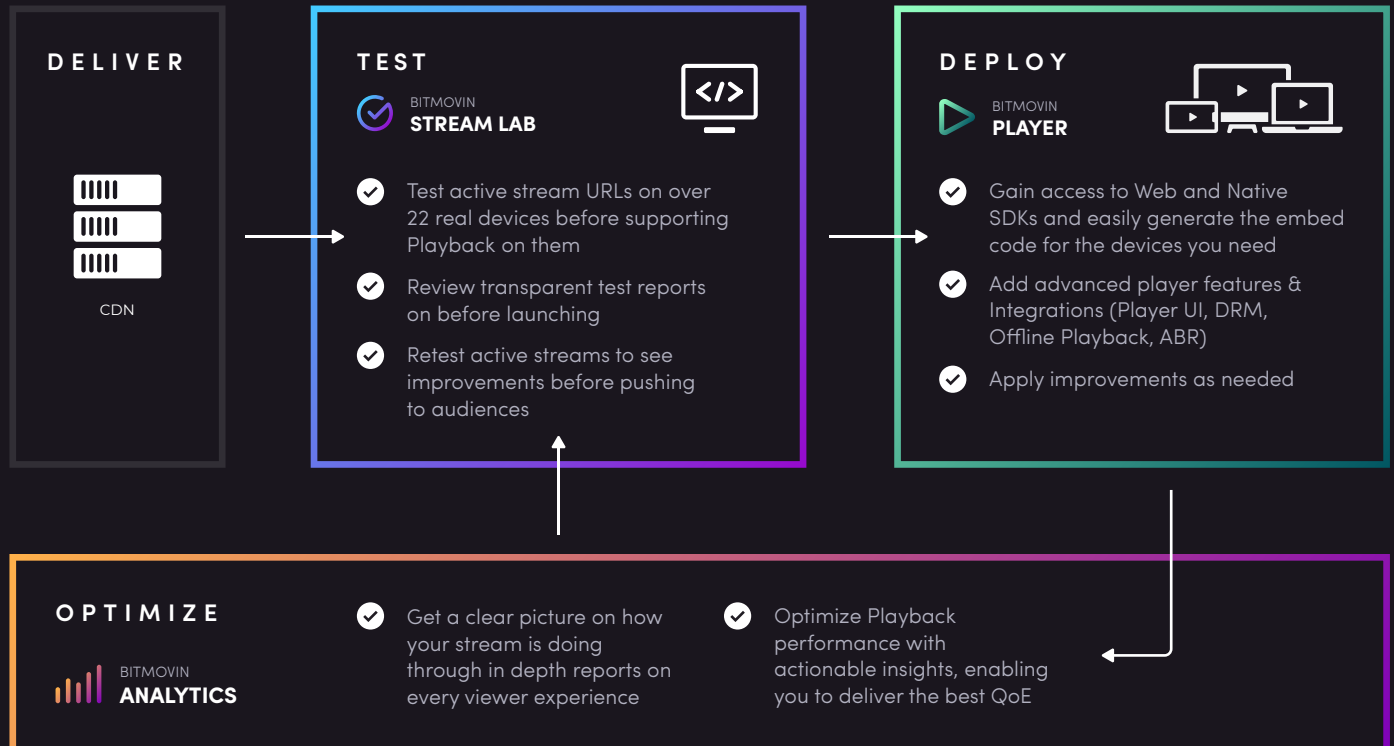**BITMOVIN**

Playback Quality, Guaranteed

The only solution in the market ensuring the highest playback quality.

Viewers want great quality experience, Bitmovin has created the only solution on the market built to ensure playback quality across any device and platform. Our Player, Stream Lab and Analytics empower you to test your streams on real devices, deploy them seamlessly to your applications and optimize them with actionable user insights.

Deploy

P L A Y B A C K

Test

Optimize

Developer Playback Workflow

Playback provides the complete feedback loop enabling developers to launch and ensure QoE

D E L I V E R

CDN

T E S T

BITMOVIN
STREAM LAB

- Test active stream URLs on over 22 real devices before supporting Playback on them
- Review transparent test reports on before launching
- Retest active streams to see improvements before pushing to audiences

D E P L O Y

BITMOVIN
PLAYER

- Gain access to Web and Native SDKs and easily generate the embed code for the devices you need
- Add advanced player features & Integrations (Player UI, DRM, Offline Playback, ABR)
- Apply improvements as needed

O P T I M I Z E

BITMOVIN
ANALYTICS

- Get a clear picture on how your stream is doing through in depth reports on every viewer experience
- Optimize Playback performance with actionable insights, enabling you to deliver the best QoE

Start your trial today

▷ Playback   VOD Encoding   Live Encoding   Streams   **www.bitmovin.com**

Playback features and capabilities overview

DEVICES

Officially Supported

PC: Mac, Windows & Chromebook

iPhone, iPad, Apple TV

Apple AirPlay compatible devices

Android Phone, Tablet & Android TV

Android OS based Smart TVs

Chromecast

Amazon Fire Tablet & Fire TV

Roku

Sony PlayStation 5

Microsoft Surface, Xbox One

Samsung TV (Tizen 2016+)

LG TV (webOS 2016+)

Hisense (2018+)

Compatible Devices

Sky Q Box

HbbTV (2.0.1+)

Panasonic (2018+)

Vizio (2020+)

BROWSERS

Chrome

Edge

Firefox

Opera

Safari

Android OS based Smart TVs

Chromecast

Internet Explorer 11 on Windows 8.1+

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)

FUNCTIONS & QUALITIES

Adaptive Bitrate (ABR)

Multi-Language Audio

Offline Playback

React Native SDK

Playlists

Live DVR

Real-Data Timestamps

Picture in Picture

Frame Accurate Seeking

4K / 8K / 360 / VR

SUBTITLES & CLOSED CAPTIONS

WebVTT

SRT

TTML/DFXP

CEA-608/708

Multi-Language CC

CONTENT PROTECTION

Widevine

Fairplay

Playready

AES-128 / Clearkey

Offline DRM

Client-side Watermarking

Key Rotation

Token Authentication

METADATA

ID3 Tags

EMSG Box

CUE Tags

EventStream (MPD Events)

Program Date Time

ADVERTISING CAPABILITIES

Server-Side Ad Insertion (SSAI)

Client-Side Ad Insertion (CSAI)

VAST 3.0 / 4.0 / 4.1

VMAP + Ad Scheduling & Targeting

VPAID 2.0

Open Measurement & OM SDK

Ad Scheduling + Targeting

Ad Waterfall

Ad Pods (Pre-Roll, Mid-Roll, Post-Roll)

Companion Ads

Overlay Ads on Web

Skippable Ads

Ad Macros (Configurable)

Prefetch VAST/VMAP Tag

Ad Verification + Ad Viewability

OTHER PLAYBACK FEATURES

Preview Thumbnails

Trickplay (Fast-Forward and Rewind)

Variable Playback Speed

Configurable Video Quality Settings

Audio Only Player

Network APIs

Manifest Read APIs

Buffer Management APIs

Preload Ad and Video APIs

Custom UI Skinning