

Bitmovin Player Stream Lab

The first **automated stream testing** feature built to guarantee quality across any device

Bitmovin's Stream Lab empowers companies to support and stream on more devices & platforms, while enabling them to ensure quality of experience for their audiences and guarantee ROI through savings on development time, budget, and managing team resources.

Utilizing our video expertise and the device coverage of our industry-leading player, we have developed a client-facing solution that comes with pre-set test cases to be used on physical devices. This gives you and your team the ability to test active streams in real streaming environments and ensure verified & clear results.

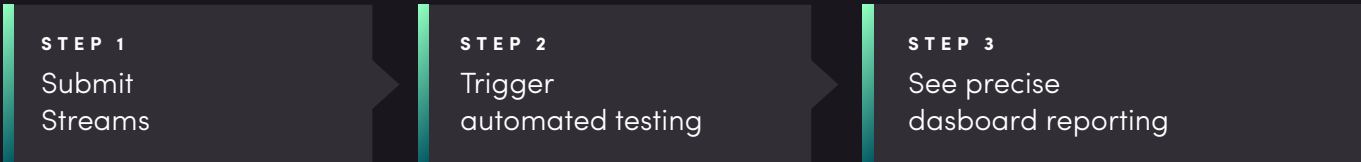
Key Features

- ✓ Test your active streams in real streaming environments on physical devices
- ✓ Apply them to pre-set test cases created specifically to insure the quality of your stream
- ✓ Test with an industry-leading player
- ✓ Easy & Simple: Submit, validate, test and get results

Benefits

- ✓ Test on older and newer devices models before supporting them
- ✓ Transparent reporting anyone can use and review
- ✓ Get to market faster and ensure the highest quality of experience for your audience
- ✓ Guarantee ROI by saving development time, budget, and team resources

How Stream Lab works



Stream Lab - Test devices & platforms

- Smart TVs
- Laptops
- Phones
- Tablets
- Gaming Consoles
- Set Top Boxes



Start your trial today

Player features & 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

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

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

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

Integrations and partners

DIRECT INTEGRATIONS

Bitmovin Encoding

Bitmovin Analytics

DRM PARTNERS

Irdeto

Nagra

BuyDRM (KeyOS certified)

Verimatrix

EZDRM

ExpressPlay

Axinom

+ More

ADVERTISING PARTNERS

SSAI: Google IMA DAI

SSAI: Yospace

SSAI: Elemental Media Tailor

SSAI: Envivio

CSAI: Google IMA

CSAI: Freewheel (VAST)

CSAI: SpotX (VAST)

PEER TO PEER INTEGRATIONS

Streamroot/Lumen

Peer5

Akamai Media Accelerator

CDN

Akamai

Fastly

AWS

+ More

ANALYTICS PARTNERS

Conviva

Akamai Analytics

Mux

Nielsen

Youbora Analytics (NPAW)

+ More

Start your
trial today

Our suite of solutions:  Encoding  Player  Analytics

www.bitmovin.com