

Observability built for video streaming. Resolve errors faster and deliver flawless playback.

Up to 40% lower
infrastructure and
storage costs
compared to
in-house analytics
solutions.

Bitmovin's Observability Analytics provides real-time insight into playback, infrastructure, and user behavior to help your team identify and fix issues quickly and optimize stream quality at scale.

Achieve every workflow with the latest features:



Identify and
troubleshoot
playback issues
quickly



Optimize ad
performance
with real-time
insight



Unlock
observability
into streaming
quality and
session-level
events



Export metrics
into your data
stack for deeper
analysis

Achieve every workflow with the latest features:



End-to-end observability with real-time alerts, infrastructure metrics, and playback SLAs



Real-time advertising analytics: impressions, viewability, skips, and completion rates



AI Session Interpreter: automated root-cause detection using foundation models



Open-source and native collectors for rapid, flexible integration



Network Explorer to visualize delivery and error trends across sessions and devices



Cost of Errors Calculator to quantify lost revenue from playback issues



Codec and device insights to inform delivery strategy and reduce costs



Data portability: export via API into any BI tool or warehouse

Start your
trial today



Playback



VOD Encoder



Live Encoder



AI Scene Analysis

www.bitmovin.com

Observability Analytics features & capabilities overview

METRICS

Audience

- Total Plays
- Unique Users
- Concurrent Views
- Total Hours Watched
- Average View Time
- Session List

Performance

- Total Startup Time
- Player Startup Time
- Video Startup Time
- DRM Load Time
- Seek Time
- Data Downloaded
- Download Speed
- Page Load Time
- Bandwidth

Quality

- Video Bitrate
- Scale Factor
- Audio Bitrate
- Audio Language
- Subtitle Language
- Dropped Frames
- View Time
- Screen Width
- Screen Height
- Supported Codecs
- Player Width
- Player Height
- Rendition Width
- Rendition Height

Comparison

- Player Name
- Player Type
- Player Version
- Browsers
- Platforms
- Domains
- Experiments

Debugging

- Error Percentage
- Error Ratio
- Rebuffer Percentage
- Buffering Time
- Start Failures
- Error Code
- Error Message
- Error Stack Trace
- Player Duration
- Number Packets Sent
- Segment Name
- Number of Segments Downloaded
- Time Spent Downloading Segments
- Video Duration
- Video Start Failure
- Reason for Video Start Failure
- Subtitles Enabled

INTEGRATIONS

- SAML SSO
- Okta
- AWS S3
- Google Cloud Storage
- Azure Storage
- Snowflake
- Google Pub/Sub
- Grafana

ANALYSIS SCREENS

- API Explorer
- Countries
- Error Data
- Network Explorer
- Session Tracking
- Top Errors
- Video Bitrate Heatmap
- SSAI Analytics
- CSAI Analytics
- AI Session Interpreter
- Observability Alerts
- Real-Time Monitoring

ADVERTISING METRICS

Audience

- Ad Impressions
- Completion Rate
- View Rate
- View Percentage
- Started
- First Quartile
- Midpoint
- Third Quartile
- Completed
- Click Rate
- Click Position
- Skipped
- Skip Position
- Ad Abandonment Rate
- Abort Position

Performance

- Ad Tag Load Time
- Ad Startup Time

Debugging

- Error Percentage
- Failed Beacon URLs

COLLECTORS

- Bitmovin Player (Web, Smart TV, Apple, Android, Roku & more)
- Shaka Player
- dash.js
- hls.js
- video.js
- HTML5 Video Element
- Android ExoPlayer & Media3
- Apple AV Foundation
- Roku Native
- Chromecast v3 Adapter for Shaka Player
- THEOPlayer / Dolby OptiView
- Amazon IVS Player

FILTERS & BREAKDOWNS

- Browser
- CDN Provider
- Country
- Custom Data 1-5
- Domain
- Experiment
- Internet Service Provider
- Live
- Operating System
- Platform
- Player Name
- Player Type
- Player Version
- Video Title
- Video Codec
- Audio Codec
- Autoplay
- Browser User Agent
- Browser Version
- Customer User Id
- Stream Format
- Custom Video Id
- Device Class
- Device Type
- DRM Type
- Browser Language
- Stream URL
- Collector Platform
- Geographic Region

Please note: these fields are available through the Analytics API. A subset are also available in the Analytics Dashboard.

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