

MONITORING FEATURES

QoS - ABR Assets Availability & Integrity check	Full HLS, MPEG-DASH monitoring Playlist integrity check All Profiles availability check Fast library availability check when limited to QoS only
QoE - Service Audio/Video Quality	Video defect detection: freeze, black screen, missing Intra frame Video encoding information: type, pixel format, profile, level, GOP structure and size, image count and weight, width, height, aspect ratio, frame rate and type, VB delay Audio defect detection: silence, level too low/high Audio encoding information: type, channel number and layout, sample rate and format Subtitles HLS WebVTT and DASH TTML: decoding and display Formats: MPEG-1 audio, MPEG-2 audio/video, AAC, HE-AAC, HE-AACv2, AC3 Dolby Digital, EAC-3 Dolby Digital Plus, SD & HD MPEG-4 AVC/H264, 4K HEVC/H265
Highly configurable monitoring Campaigns	Adapted for both static & dynamic libraries One-shot or recurrent (several hours, days, weeks..) Monitoring modes: QoS, QoS & QoE, QoS with QoE the first time only ABR asset provisioning: manual (CSV import) or automatic via a dedicated API (requires specific integration services)
Library Quality Stats & Reports	QoS & QoE quality evaluation globally for each Campaign, and also detailed down to the asset itself All quality statistics & monitoring results exported within PDF report files* Fault history reports for operational maintenance
Asset dedicated monitoring results	ABR asset Quality overview: alarms timeline with associated video thumbnails Visual tool for fault investigation on all ABR stream's profiles, up to 7 days
DRM support	ABR streams decryption capabilities Via direct Key Server access (proprietary, CPIX) CENC, Sample-AES, AES-128 – Widevine, FairPlay, PlayReady
System Integration & NBI	Configurable alarming thresholds per Campaign NMS integration: SNMPv2 support for alarm traps

TECHNICAL CHARACTERISTICS

SW Appliance solution: Linux OS, VM (ESXi >v6.0, KVM), AWS

Performance CPU, RAM, HDD depending on the number of assets to monitor simultaneously

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*Contact us for availability

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StreamProbe VOD

Video QoS & QoE Monitoring for all VOD services – non-linear OTT services

options

#Assets : Define the number of assets to monitor simultaneously
SW Pack ACCESS : Full QoS & QoE
SW Pack PERFORMANCE : Operational Add-ons
SW Pack ULTIMATE : Additional Services

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