OTT MONITORING

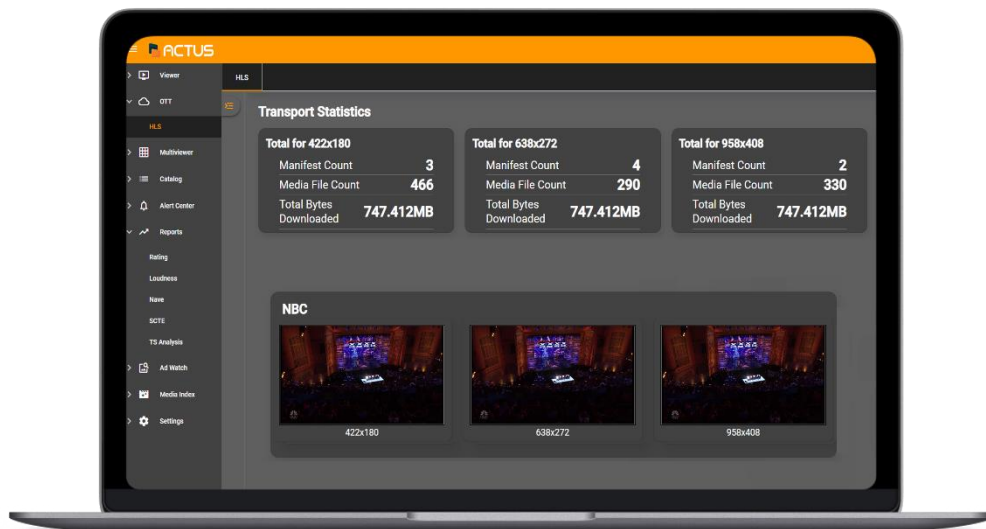## OTT (OVER THE TOP) MONITORING

OTT Monitoring

Over the past few years, there has been an explosive growth in online streaming versus traditional cable, broadcast, or satellite services. As a result, the global over-the-top (OTT) services market keeps growing.

Unlike compliance logging, which is a mandatory requirement, OTT monitoring requirement is designed for a different reason. OTT streams go through a few distribution nodes in different bitrates (MBR) until the point the content is being consumed. The content owners have minimal insights into the viewers' quality of experience.

OTT Quality Monitoring

Actus solution brings the entire monitoring process into a single user interface where engineers can visually see all related data from encoding to distribution with simplicity and clarity.

It includes a one-stop control center, monitoring all renditions within variable bit-rate streams. In addition to a live view of each of the various resolutions and bit rates, it provides QoE and QoS assessment, transport statistics, current and historic evaluations, alarm status, SCTE event tracking (showing actual SCTE message detail), and a list of Ad-insert opportunities with alert notifications.

HOW ACTUS MEETS THE OTT CHALLENGE?

Traditionally, engineers have no way to know about the quality of the video streams received by their OTT viewers until they "get complaints or they have to rely on the statistics provided by their CDN that they are meeting the SLA requirements.

To provide robust and successful streaming services, content operators must monitor the OTT streams.
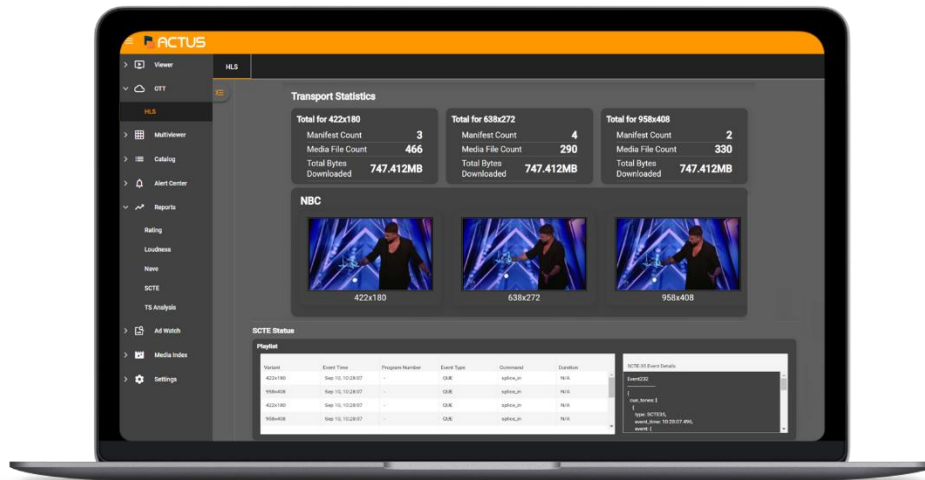
Actus OTT monitoring provides tremendous value with in-depth QoE, and QoS HLS stream assessment of all renditions returned from various nodes throughout the distribution chain on their way to viewers, including source, encoders/decoders, and multiple CDN returns... at several geographical locations.

Operators monitor the performance, and technical aspects of the HLS stream live through a rich dashboard, and if any problems are discovered, the solution will alert engineers to issues that genuinely impact the viewers' experience... without overloading them with details that do not impact quality.

Actus OTT monitoring primarily involves monitoring the status of all key elements in the pipeline, starting with the media source, encoders, decoders, output of Content Distribution Network (CDN), etc. It provides an overall status on the OTT streams, including SCTE status, Advertisements, quality of service (QoS), Transport Statistics, and downloads.

It also monitors and alerts on problems for all HLS renditions through several geographical locations. The system inspects the HLS delivery at the HTTP level, the Manifest level up to the content level. There is no need to record every rendition to provide the data.

Through a rich dashboard, operators can watch, in real time, the performance and technical aspects of the HLS stream.

OTT MONITORING AND COMPLIANCE LOGGING – IN ONE PLATFORM

These OTT monitoring benefits are added to Actus Digital's already comprehensive features for quality alerting, compliance logging, multiviewer, and aircheck recording. They further condense tools needed by Engineers and enable them to do their jobs better and easier than ever before. All of this in one platform that combines all input formats, at multiple points in the video distribution chain, for broadcast IP, SDI, ASI, 2110, etc., and OTT (HLS, etc.) content.

The solution has the highest streams and channels density to save hardware costs.

Other modules offered by Actus media platform:

Actus compliance logging and monitoring (View)
Actus content re-purposing (Clip Factory)
Actus Rating Analysis (Rating Analyzer)
Actus TS Analysis, Real time Alerts
Actus TS Native
Actus Automatic ads detection (AdWatch)
Actus AI integration
Actus Multiviewer (Mosaic)
Actus Content matching (Track Match)
Actus Remote Video Monitoring (RVM)