



MAINSTREAMING[®]

We Stream the Future

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**MainStreaming® is a
Revolutionary AI-powered
High Throughput
Ultra-Low Latency (HTULL)
streaming technology for
the best Quality of Experience, globally**





MainStreaming® HTULL Platform

Revolutionary AI technology based on **High Throughput Ultra-Low Latency (HTULL) Streaming** that enables **broadcasters, telco operators, media and gaming companies** to offer the best **Quality of Experience** to the viewers

PRODUCT

Media Manager

An all-in-one user-friendly platform that gives you complete control over the streaming process and the ability to upload, encode, manage and publish the content

Smart Origin

Reduces origin traffic, prevents congestion, decreases costs, monitors stability and increases stream efficiency. Dedicated service and AI powered technology, optimized according to origin protection needs

Intelligent Media Delivery

Real-time media delivery network infrastructure powered by AI that increases delivery reliability, lowers latency and prevents congestion, by intelligently choosing the best path, guaranteeing the highest quality of experience for your audience

Meta View

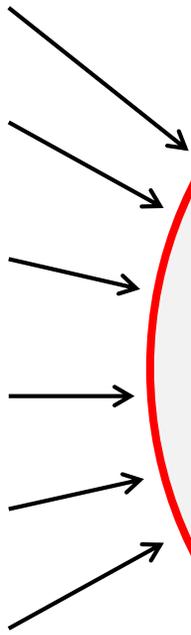
Advanced analytics, real time performance and engagement analysis that allows you to performance measurements, engagement data and to visualize quality of experience KPIs

Ultra Fast Encoding

Up to 15x faster than other solutions, fully compatible with current and legacy file formats for on-demand video

AI Orchestrator

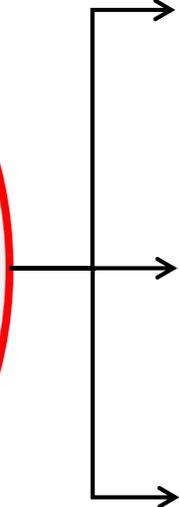
Coordinates all resources between our HyperNodes and/or other CDNs in the streaming workflow to deliver the best quality of experience in the most efficient way



MainStreaming HTULL Platform

Complete AI streaming solution, based on HTULL proprietary technology, that enables and manages the entire media origination and distribution process

- Overcomes the greatest challenges that come with large audiences during live streaming, maintaining extremely high quality of video and audio with no delay or disruptions
- Integrable with existing infrastructures and media generation/distribution flows via APIs
- Offers complete visibility, control and governance over the entire workflow and distribution process
- Minimizes energy consumption and management costs



Global



All-inclusive, as-needed media delivery service for low-volume or peak distribution needs, that gives you complete governance over the streaming workflow

Private



Custom implementation and management of high-volume, private distribution networks for large-scale customers. Deployment of dedicated nodes within ISP infrastructure or through peering

Hybrid



Mix private and global services according to your users' location, and manage it all from one platform

DELIVERY

TECHNOLOGY

HTULL Protocol

Created to move large quantities of data in the shortest possible time, our high-speed Media Datagram Control Protocol, with UDP-like performance and TCP-like resilience, is optimized for ultra-low latency content distribution.

HTULL Parallel Computing

Our system efficiently utilizes innovative parallel computing technology to send out packets to multiple locations, where they are encoded and then brought back together to generate the complete video.

HTULL AI Cache Filling

AI Cache Filling Architecture requests every single content only once from the origin server. The AI algorithm transfers the content to one edge server and identifies the most efficient propagation pattern to the other edge servers.

ADP Adaptive Delivery Path

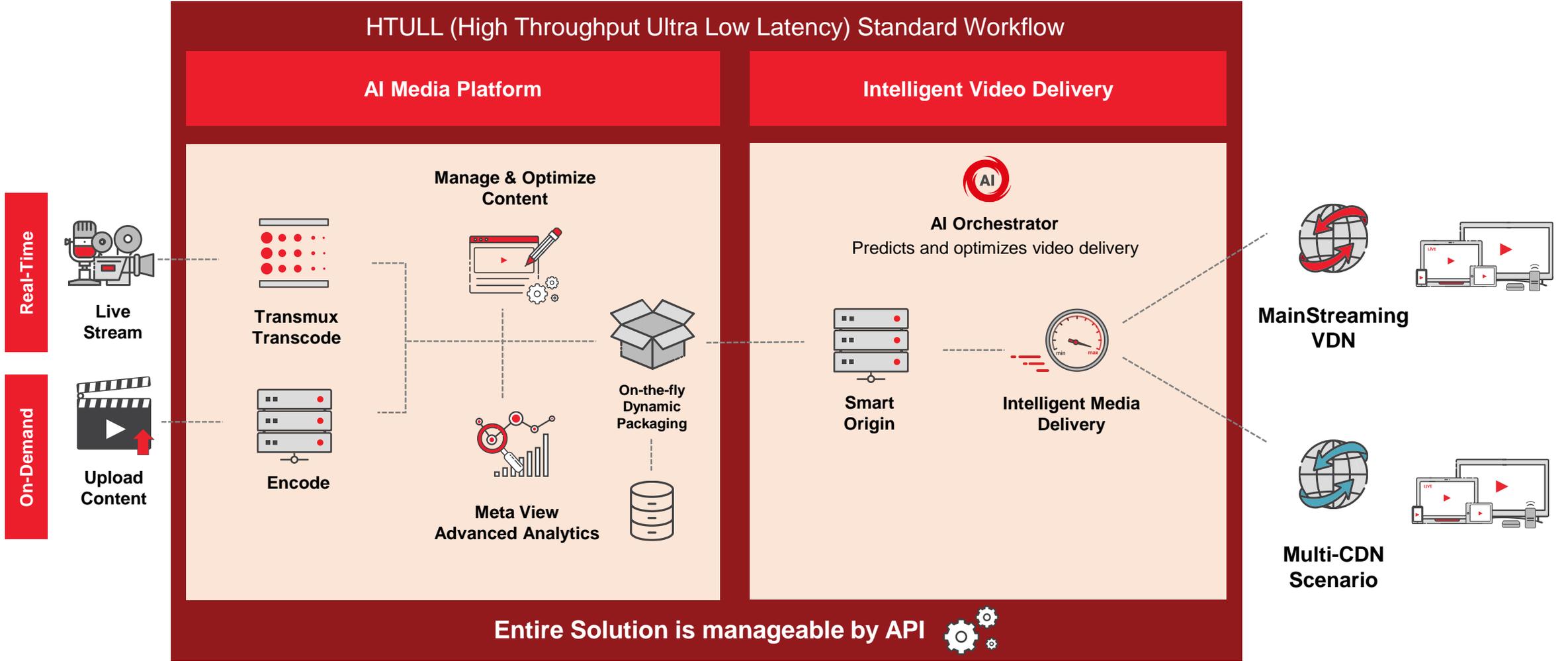
To avoid congestion and to have a strong resilience, the Adaptive Delivery Path uses an intelligent algorithm capable of predicting possible congestions of the ISP and finds new paths to reach the end user, without creating service interruption or loss of quality.

Dynamic Packaging and AD Insertion

Just-in-time packaging integrable with different streaming protocols, includes advanced security features to reach all devices with Server-Side Ad Insertion and allows for a flawless delivery in ABR.



MainStreaming® HTULL Platform Workflow





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