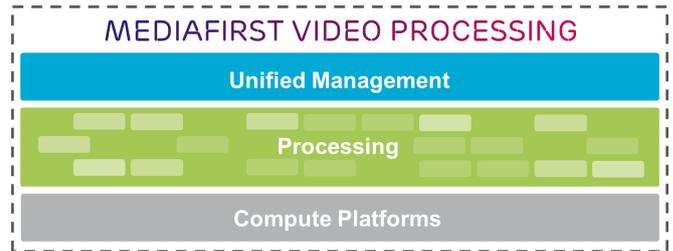


MEDIAFIRST VIDEO PROCESSING STREAM PROCESSING



The Stream Processing capability of Ericsson MediaFirst Video Processing covers multiplexing, stream processing and network adaptation.

Today's operators face a fragmented and complex mix of technology choices in delivering greater consumer choice in accessing content across multiple devices and multiple networks. Operational flexibility, service deployment speed and future proofing are essential for operators to meet market demand and the constant changes. Ericsson's MediaFirst Video Processing offers advanced stream processing.

Ease of use is a key component of the MediaFirst Video Processing offering. The Stream Processing capability of MediaFirst Video Processing features the latest generation of Ericsson's renowned user interface which on previous products achieved an order of magnitude reduction in configuration complexity.

PRODUCT HIGHLIGHTS

Ericsson brings over 20 years of broadcast experience to the stream processing market with the introduction of the MediaFirst Video Processing providing high density processing and powerful features such as dynamic PID tracking and manipulation. The Stream Processing capabilities include:

- 6Gbps of throughput
- Up to 16,384 thousand PIDs can be processed for emission across 512 transport stream and services (MPTS or SPTS)

High processing density normally comes with complexity, however, MediaFirst Video Processing introduces Ericsson's workflow based management philosophy. This workflow radically reduces complexity and maximizing resource utilization through separation of management from underlying resources.

Flexible Licensing

Based on a flexible licensing scheme operators can licence just the functionality and capacity they need today, with rapid expansion through licence enablement. The platform provides operators with resource utilization allowing instant capacity planning and expansion. Operators can purchase processing capacity in 1Gbps blocks and content protection in bundles of 50 services.

Stream Processing software runs on the Ericsson Custom Hardware 2 which transforms head-end efficiency.

Content Protection

Ericsson protects operators' and content providers' revenue globally across the value chain from contribution and distribution to end subscriber delivery using standards based encryption. The Stream Processing capabilities of MediaFirst Video Processing provides high density protection to secure content across all resolution and formats from SD to UHDTV 4K. This allows operators to perform DVB-CSA scrambling at market-leading densities without the need for a separate processing module.

Capable of scrambling 6Gbps of content across multiple networks from single service delivery to multi-program delivery, operators gain powerful content protection with full service isolation. Powerful features such as transport stream duplication in the clear for monitoring are as simple as ticking a box on the unit's management interface.

The Stream Processing capability supporting industry standard content protection, including:

- DVB-CSA v1 (48bit) scrambling
- DVB-CSA v2 (64bit) scrambling
- DVB-CSA v3 (128bit) as a future expansion

The Stream Processing capability future proofs content protection of high value content such as UHDTV.

Secure content ingest is provided using BISS decryption removing the need for separate decryption units, simplifying delivery of content across networks before final processing for distribution.



Re-multiplexing

MediaFirst Video Processing Stream Processing allows for market-leading re-multiplexing, both in terms of density and complexity. This creates a powerful system multiplexer that scales perfectly for DTH, IPTV and Cable applications:

Full re-multiplexing:

- Component and service filtering
- PID remapping

High-density:

- Up to 8,192 input PIDs
- 16,384 output PIDs
- Up to 512 input transport streams/services
- Up to 512 output transport streams/services (either MPTS or SPTS)
- From 10Kbit/s to 216Mbit/s per transport stream

Base Chassis Functionality:

- 1+1 self-managed redundancy
- Latest-generation web-based UX, designed to minimize configuration and operator training time
- BISS Decryption

Management

- SNMP v1/v2 for alarm traps
- User management via stand alone web browser
- IP v4 and IGMP v1/v2/v3

SOFTWARE OPTIONS

Output bandwidth License

AVP/2RU/SWO/BWIDTH

- License for up to 1Gbit/s of output data
- Future expansion up to 6Gbit/s (please contact Ericsson for availability)
- Maximum 2 licenses per chassis

AVP/2RU/SWO/DVBCA

- Entitles scrambling up to 50 services for DVB-CSA v1 or v2
- Future option (please contact Ericsson for availability)
- Maximum 11 licenses per chassis—up to a maximum of 512 services