

Advanced scrambling and multiplexing

Deliver highly secure, ultra efficient streams with carrier-grade reliability - consolidating racks of legacy gear into a single, modern platform.

ProStream X protects video, audio and data end-to-end and enables live-to-live splicing, precision ad insertion and high-quality outputs across cable, satellite and telecom networks. Operators can unlock new revenue and services without disrupting their existing infrastructure.

Capabilities

Power your brand



Digital turnaround

Integrate and transform live streams across IP and DVB environments with flexible, any-to-any digital turnaround. Built-in redundancy at every level ensures continuous, hitless delivery for mission-critical workflows.

High throughput

Deliver high throughput content protection with support for advanced scrambling standards. Certified CAS integration ensures secure, interoperable delivery for premium and UHD services.

Statistical multiplexing

Maximise bandwidth efficiency without compromising quality through tightly integrated, closed-loop statistical multiplexing. Centralised control and multi-codec support ensure consistent optimisation at scale.

Terrestrial

Efficient terrestrial and hybrid distribution with integrated DVB-T/T2 gateway functionality. Support for DVB-SIS and regionalisation ensures flexible, spectrum-efficient delivery across networks.

SRT gateway

Securely transport high-quality video over unmanaged IP networks with scalable, low-latency SRT connectivity. Designed for flexible contribution, backup, and remote distribution without reliance on dedicated infrastructure.

Scramble any format

Secure any content with consistent, broadcast-grade scrambling across your entire workflow. Designed for seamless CAS integration, it delivers trusted protection for premium and UHD services.

Specifications

PLATFORM OVERVIEW

Hardware	1RU, high-density video stream processor and IP/DVB gateway for cable, satellite, IPTV and OTT headends
Network	Up to 10 Gbps throughput with quad 1-GbE, dual 10-GbE, and optional ASI I/O on the same platform
Handles multiplexing, scrambling, splicing, blackout switching, statmux and DVB-T/T2 gateway functions in one appliance.	

IP & ASI I/O

10-GbE IP	IEEE 802.3z, up to 4 × 10-GbE ports; supports VLAN tagging and multicast with IGMPv2/v3
High-throughput mode	Up to 1,000 transport streams and 2,000 simultaneous multiplexing/scrambling services
ASI	Up to 16 ASI ports (8 per card × 2), each configurable as input or output for legacy DVB integration

PHYSICAL & POWER

1RU COTS Intel-based platform with hot-swappable fans and dual redundant power supplies.	
Designed for high density and low power in space-constrained headends while maintaining carrier-grade availability.	

GATEWAY REMULTIPLEXING & SRT

Routing	Any to any routing between IP and ASI, including socket address flipping, ASI to IP conversion and IP mirroring
TS processing	PID remap/filter/multicast, PSI/SI extraction/insertion/regeneration, TS output mirroring
SRT gateway	Integrated SRT gateway (listener/caller) for secure, low-latency transport of multiple contribution or distribution streams.

DVB-T/T2 & DVB SIS

DVB-T/T2 gateway	Encapsulates any multiplex into T2-MI, generates up to 8 T2-MI streams over ASI or IP. Provides signaling, transmission and synchronization parameters to DVB-T2 modulators; supports single and multi PLP.
DVB-SIS	DVB SIS (ETSI TS 103 615): generates up to 8 DVB SIS outputs with up to 36 regionalization groups per SIS service.

SCRAMBLING & SECURITY

Supports DVB-CSA3 (128-bit), DVB-CSA2, AES (IPTV), and BISS fixed-key scrambling for UHD and HD services.
Scrambles any combination of video, audio and data streams for broadcast or VoD, up to 2,000 services.
Integrated and certified with major CAS vendors such as Cisco and Irdeto for carrier-grade conditional access.

STATISTICAL MULTIPLEXING

Optional DiviTrackIP closed-loop statmux with remote Harmonic encoders over LAN/WAN.
Supports MPEG-2, AVC and HEVC, dynamically reallocating bandwidth to maximize channel count and picture quality.

REDUNDANCY & MANAGEMENT

Device redundancy: 1:1 under NMX or stand-alone GUI control.
Internal protection: any-to-any input TS redundancy, TS output mirroring, port redundancy, and per-service failover.
Web GUI, SNMP and NMX integration for configuration, alarming and software/license management.

Support

MediaKind keeps your appliances running smoothly, minimizing risk and downtime, so your team stays focused on operations.

- Comprehensive support for all appliances
- 24/7/365 direct access to expert technical assistance
- Flexible service plans matched to your team and operations
- Continuous software updates
- Priority case handling with fast, predictable response times
- Backed by proven support engineering teams

SUPPORT PACKAGES

Basic

- ✓ Mon–Fri, 8a–5p, severity-1 support 24/7/365
- ✓ Portal access
- ✓ New software releases

SLA response times:

Severity 1	4 hours
Severity 2	Next business day
Severity 3	2 business days

Standard

- ✓ Mon–Fri, 8a–5p, severity-1 support 24/7/365
- ✓ Portal access
- ✓ New software releases

SLA response times:

Severity 1	1 hour
Severity 2	4 hours
Severity 3	8 hours

Premium

- ✓ 24/7/365 response for all severity levels
- ✓ Portal access
- ✓ New software releases

SLA response times:

Severity 1	30 min
Severity 2	2 hours
Severity 3	4 hours