



# Caton Xchange

ASI and IP Conversion



As a complete IP conversion and transmission appliance with built-in transport stream analysis, and recording, Caton Xchange is a compact solution for all your IP transmission and conversion needs.

Designed for 24x7 broadcast usage, the Caton Xchange consumes low power. Supporting both ASI and IP connections, broadcasters can easily bridge traditional broadcast equipment with IP equipment.

Caton Xchange is also fully compatible with leading CDN solutions like YouTube, Facebook, and Twitch. It is perfect for video transmission workflows in areas like live events, houses of worship, corporate communications, e-medical, eSports and education.

## Key Features

- ✓ Supports a wide variety of protocol configurations
- ✓ Built-in TR 101209 TS analysis
- ✓ Plug and play
- ✓ Remote management via Caton NMS agent
- ✓ Easy and affordable global IP delivery
- ✓ Ruggedised chassis and high MTBF

HD / SD  
8K / 4K

SPTS  
MPTS

NMS  
Support

AES  
Encryption

TR101 209  
Analyser

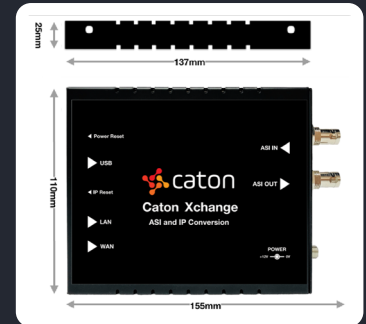
Protocol  
Conversion

Recording

Monitoring

## Better Flexibility with In / Out Protocol Conversions

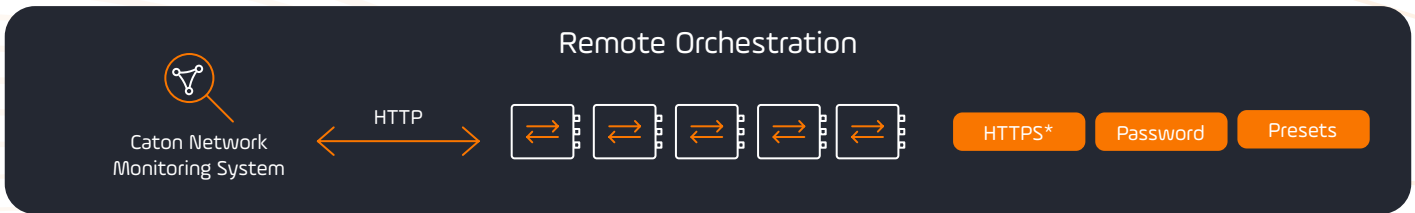
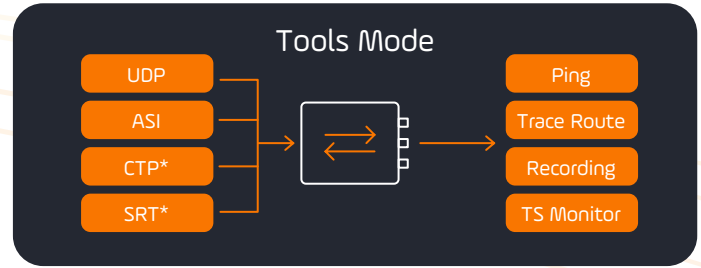
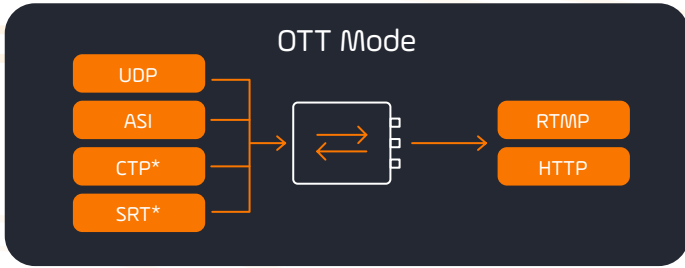
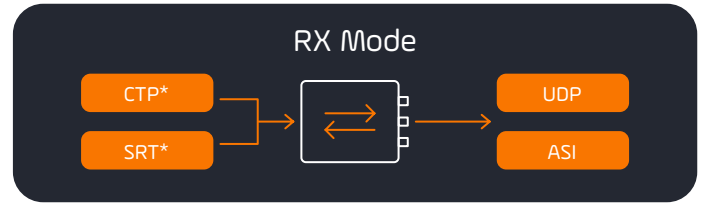
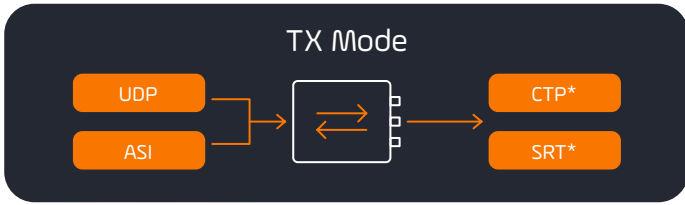
	Out									
	CTP Caller	CTP Listener	CTP Server	RTMP-push	UDP	SRT Listener	SRT Caller	HTTP	TS Recording	TS Analyzing
In	CTP Caller		✓	✓	✓	✓	✓	✓	✓	✓
	CTP Listener		✓	✓	✓	✓	✓	✓	✓	✓
	CTP Server	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RTMP-pull	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UDP	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRT Listener	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRT Caller	✓	✓	✓	✓	✓	✓	✓	✓	✓



## Caton Transport Protocols (CTP) for Superior Video Transmission

Caton Transport Protocols (CTP) comprise of our IP transmission technologies that assures stability, quality and security for video, media and other data transmissions. With over 30 in-built algorithms, CTP leverages machine and deep learning approaches that work to smooth and mitigate network challenges. This is coupled with our patented dynamic error corrections to recover from data loss.

Our customers use CTP to enable high quality, low latency live video to be distributed at scale over any IP network, making it the ideal technology for live streaming of high value content where quality, security and real connections matter. Beyond video, enterprises and service providers are leveraging CTP for fast file and data transfer, enjoying accelerated transmission speeds that are significantly faster than traditional solutions.



#### Network and Control

- DHCP (Default) / Static IP address
- API integrates with third-party controllers and applications
- Full web-based remote control
- Command and control: HTTP with logs recording
- NMS supports remote management\*

#### Transmission

- ASI, UDP, HTTP and RTMP/RTMP-S output
- CTP in/out\*
- SRT in/out\*
- AES-128/256 encryption up to 25Mbps via CTP
- TR 101 209 P1.1-1.5 TS Analyser
- Recording as MPEG-TS file

#### Power and Operation

Power	85-240V AC Input
Frequency Range	47-63Hz
Efficiency	85%
Operating Temperature	0° to 50°C
Relative Operating Humidity	20~90%
Rack Mount Kit	Included

#### I/O

- ASI input and output (Compliance ISO/IEC 13818-1) up to 108Mbps
- UDP input and output up to 160Mbps
- CTP\* with overhead input and output up to 80 Mbps
- SRT\* with overhead input and output up to 80 Mbps
- USB 2.0 support recording
- 10/100/1000 Ethernet (RJ45) for WAN and LAN

#### Limited Warranty

Duration	3 years
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## CatonNet Video Platform (CVP)

CatonNet Video Platform (CVP), powered by Caton Transport Protocols, provides broadcast grade media transmission services. CVP is designed as a highly available, low latency and secure service ensuring your video can be transmitted and received without compromising on quality, security or speed. With a point of presence in over 60 countries worldwide, some of the largest content creators, broadcasters, satellite operators and service providers are using this fully managed end-to-end service with up to 99.999% stream availability to securely deliver superior video to their customers locally, regionally and globally. All while enjoying significant cost savings compared to traditional network services.

\* The respective services / features are license enabled, user might add on based on actual demand. The add on may lead to additional charges, Caton Technology is an industry leader in next-generation IP network transport solutions. Powered by technology and driven to innovate, we improve how businesses around the world and across multiple industries stream live media in the highest quality, distribute video and move data over any IP network faster and more securely—enabling new deployment possibilities while reducing costs. Headquartered in Singapore, with regional offices in Shanghai, Beijing, California, Hong Kong, Taipei and Tokyo, Caton Technology is poised to connect the world with high-quality real-time interactions between people, things and everywhere in between. The best connections are created with Caton. For more information, please visit [www.catontechnology.com](http://www.catontechnology.com).