

Caton Live

Versatile Encoder and Decoder
for Assured IP Transmission

Caton Live is a game-changing switchable video processor for live video streams. The ability to switch between encoding and decoding allows true flexibility for live events, where deployment workflow changes from event to event and enables users to attain redundancy within their own inventory. It features AVC full high definition (HD) up to 20 Mbps with 3G-SDI and HDMI I/O. Built with Caton Transport Protocols (CTP) for the highest quality and reliability to distribute ultra-low latency live video securely over any private network and the internet, interoperable with major industry protocols including SRT. Designed to be ruggedized and portable, Caton Live is ideal for travel and live-streaming applications for media, conferences, education, house of worship and enterprise.



* CTP and SRT compatibility are license-enabled

Key Features

- ✓ True versatility Encoder and Decoder
- ✓ 3G-SDI & HDMI source inputs
- ✓ H.264 video up to 20 Mbps
- ✓ Highest quality and reliability with Caton Transport Protocols
- ✓ Remote management (monitoring and orchestration) via Caton NMS agent

1080p
Full HD

4:2:0

AVC
Advanced
Video Coding

AAC
Advanced
Audio Coding

2ch
1 Pairs Audio

NMS
Caton NMS Agent

Compact &
Mobile



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.

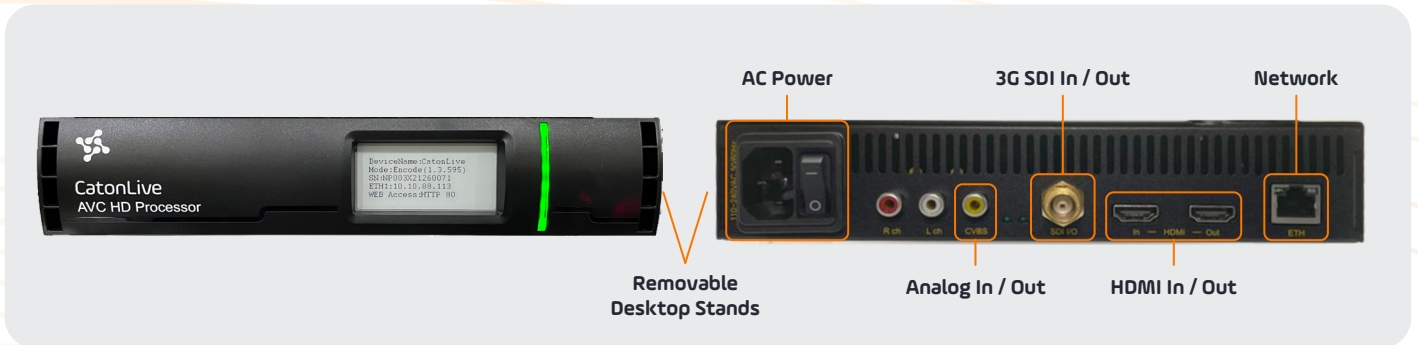
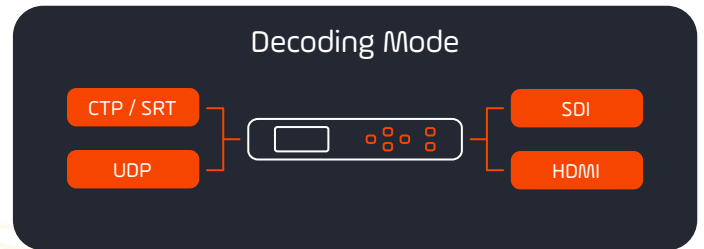
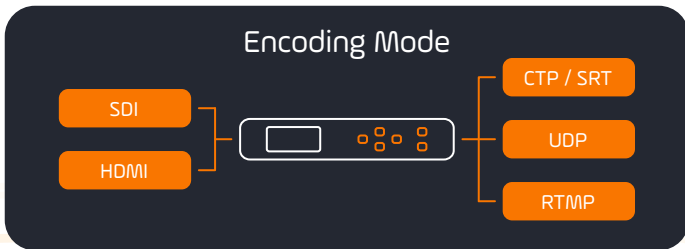
Our customers use CTP to enable high quality, low latency live video to be distributed at scale over any IP network, making it the ideal technology for live streaming of high value content where quality, security and real connections matter. Beyond video, enterprises and service providers are leveraging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



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.





Video Process (Encode and Decode)

Format	H.264, HP@L4.1 / MP@L4.1 / MPEG-2@HL
Channels	1 HD or 1 SD
Video Format	<ul style="list-style-type: none"> • 1920 x 1080p 25/29.97 • 1920 x 1080i 25/29.97/50/59.94 • 1280 x 720p 25/29.97/50/59.94 • 720 x 576i 50 • 720 x 480i 59.94
Color Space	8-bit, 4:2:0
Encode Conversion	Up / Down / Cross
OSD	Adobe RGB Profile PNG

Audio Process (Encode and Decode)

Channels	2 Ch (1 pair)
Audio Codec	<ul style="list-style-type: none"> • MPEG-1 Layer 2 • AAC-LC
Audio Mode	Stereo / Dual Mono / Mono

Video IO

SDI	SDI 1 = 3G SDI Level A, 75Ω BNC
HDMI	2x HDMI 1.4a, 1 input, 1 output (loop)
Audio	<ul style="list-style-type: none"> • SDI embedded up to 2 channels • HDMI embedded up to 2 channels • RCA Analog up to 2 channels

Protocol / Bitrate

TS	1-20 Mbps	SD	1-8 Mbps
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Transport

CTP	Up to 20 Mbps stream, with support for AES-256
SRT	Up to 20 Mbps caller and listener, with support for AES-256
UDP	Up to 20 Mbps, SPTS

Chassis

Size	15" x 9.7" x 1.75" (LWH)
Power	PS1 = 110-220v AC build in power supply
Operation Temp	0° to 50°C
Storage Temp	-40°C to 65°C
Networking	<ul style="list-style-type: none"> • 1x 1G-RJ45 (LAN/WLAN) • Unicast and Multicast ARP • ICMP (IPv4)
Relative / Operating Humidity	<95% (non-condensing)
Front Panel	E-Ink display for device information Tri-color light bar to indicate chassis health

Management

WebUI	Full control via WebUI
Protocol	<ul style="list-style-type: none"> • HTTP • Caton NMS agent for orchestration
Firmware Updates	Via WebUI
Caton Network Monitoring System	Licence-enabled service through integrated Caton NMS agent

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 made with Caton. For more information, please visit www.catontechnology.com.

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