

# Rekor Box

## AI-POWERED VIDEO PROCESSING UNIT



Rekor Box is a complete AI-powered analytics device capable of processing multiple streams of video. Built for the roadside, it delivers low-power computing capabilities in a small, easy-to-deploy unit and provides real-time, secure system monitoring, while being compatible with a wide range of commercial and security algorithms/applications.

## FEATURES AND FUNCTIONS



### OPERATION READY

- Low-profile, space saving design for remote deployments
- Connect up to 4 cameras
- Onboard dual SIM 4G cellular modem, Wi-Fi, and GPS
- Built-in system monitoring



### POWERFUL PERFORMANCE

- NVIDIA Jetson Xavier NX processor
- 6-core NVIDIA CPU
- 384-core NVIDIA GPU
- 16GB Internal Flash Memory with Micro SD expansion port



### EXTREME VIDEO PROCESSING

- Up to 2x video encoding at 4K/30fps
- Up to 4x video decoding at 4K/30fps
- Rekor Scout™ ready
- 21 TOPS AI Performance

\*Rekor Scout™ is a proprietary software platform for accessing and analyzing Edge captured vehicle data.

# REKOR BOX SPECIFICATIONS

## Technical specifications

System-On-Module (SOM):	NVIDIA Jetson Xavier NX
CPU:	6-core NVIDIA Carmel ARM
GPU:	384-core NVIDIA Volta / 48 Tensor Cores
Memory:	8GB DDR4
Video encode (H.264 or H.265):	Up to 2x 4K/30fps, 14x 1080p/30fps
Video decode (H.265):	Up to 2x 4K/60fps, 32x 1080p/30fps
Video decode (H.264):	Up to 2x 4K/30fps, 16x 1080p/30fps
Storage:	16GB internal, NVMe M.2 expansion

## Electrical specifications

Input voltage range:	12 - 24 V DC
Power consumption:	25 W (standard), 52.44 W (per PoE port)

## Additional specifications

Network connectivity:	4G LTE, Dual SIM Support, Wi-Fi, GPS
Data comm. components:	Mini HDMI, 2x USB 3.0, micro-USB 2.0, 4x POE, 3x GPIOs
Max dimensions (D x W x H):	6.06in x 7.48in x 2.44in 154mm x 190mm x 62mm

## Embedded software features

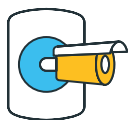
Rekor Scout™ (optional):	Yes (plate, state, make, model, color)
Real-time GPS/system monitoring:	Yes
Docker ready:	Yes
Solar ready:	Yes (with approved solar controllers)
Remote on/off capability:	Yes (with approved network provider)
VAPIX 3.0 camera API compatibility:	Yes (Axis Camera API)

## System status monitoring features

Temperature & network status:	Yes
Disk-space, CPU, memory usage:	Yes
Read performance:	Yes

### Need additional hardware?

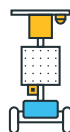
Contact us to learn more about our other LPR solutions.



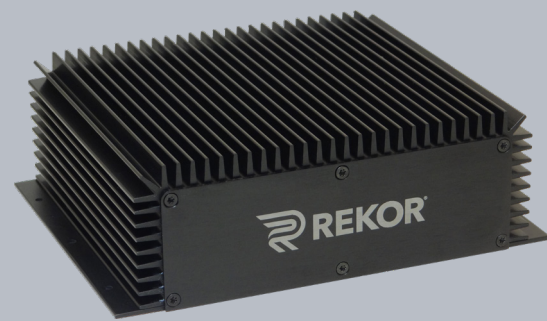
REKOR EDGE



REKOR FINDER



REKOR TRAILER



Ready to get started?

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