



# Soter

## AI Edge NVR Platform

Powered by  **NVIDIA.**

Soter is a **NVR (Network Video Recorder) platform** with an **in-built NVIDIA Jetson NX 8GB/16GB** and **Nano module** support to run data analytics and powerful AI models. This fanless AI network video recorder system **supports AI functions, 9 Ethernet ports** (PoE x 8, GbE x 1) on the front and back of the device and **up to 8 RTSP cameras**. Soter supports AI applications such as licence plate detection, face mask detection, object classification and more.

## Specifications



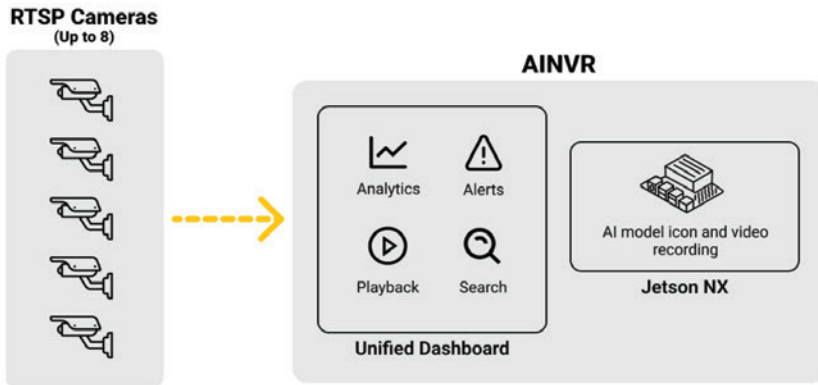
- 1x USB port to connect devices
- 8 PoE ports to connect IP cameras & 1 GbE port to connect to the local network
- 1x SATA bay for extra storage
- 1x SIM card slot for 4G/5G capabilities

- Audio input/output & other USB ports
- RS-232 and RS-485 interfaces
- HDMI port for display
- Alarm I/O (4-input, 4-output)
- A power input (DC 9-36V) & an antenna port

# AINVR

AINVR is a **Network Video Recorder** with an additional layer of **Artificial Intelligence** to provide automated alerts, analytics and visualizations on a unified dashboard.

AINVR is supported by a powerful processing module, **NVIDIA® Jetson Xavier™ NX AI**, which can run tasks like people detection or vehicle detection and further processing of this data can be carried out on the NVR itself for visualization in real time on a unified interface.



It can process **up to 8 camera streams**, perform compute heavy tasks and can dynamically switch between different AI models. In addition, it also provides typical NVR functions like video recording, archiving, retrieval and alerting. The AINVR can also be programmed to dynamically run different AI models on different camera streams.

Soter supports **SmartCow FleetTrackr** - Edge Device Management Platform

## Supports Edge Analytics:



License Plate Recognition



HeatMaps & Path Tracing



Face Mask Detection



People & Vehicle Detection



Occupancy Counting

## Key Benefits

- Exceptional recording performance
- Lower Maintenance Costs
- Simplified System Management

## Industries

- Smart City
- Retail
- Manufacturing

© 2023 SmartCow. all rights reserved. features and specifications subject to change without notice.

© 2023 PNY TECHNOLOGIES, inc. all rights reserved. the PNY logo is a registered trademark of PNY Technologies, inc. all other trademarks are the property of their respective owners.