



AXON FUSUS ARTIFICIAL INTELLIGENCE PRODUCT SHEET 2025

Axon Fusus by Axon Artificial Intelligence capabilities enable smaller teams of Law Enforcement & Security personnel to cover more ground, maximize resources, and work more intelligently.

FUSUS ARTIFICIAL INTELLIGENCE: A REAL-TIME FORCE MULTIPLIER

- **AI at the Edge:** Axon FususCORE Elite places powerful AI computing power right into the camera network, which means no more servers, camera license fees, or expensive network infrastructure is needed to process video data right at the source.
- **Open Platform:** Ingest video and sensor data from virtually any source, and leverage our CORE devices to upgrade existing cameras and security networks to a cloud-connected, AI assisted system without an expensive hardware overhaul.
- **Large Data Sets & Dynamic Analytical Models:** Built with a variety of search and analysis variables, you can search for people, vehicles, visual descriptors and much more.
- **Intelligent AI Alerts:** Create search parameters and receive automatic alerts when a match appears on any camera in the designated area of interest.
- **Future Proof:** Our development team works continuously to ensure users have access to the most cutting-edge artificial intelligence data sets in video analytics, and we push updates through the cloud on a regular basis.





The world is full of video systems. Typically, law enforcement personnel get access to one video system at a time, and this happens hours or days after the crime was committed. Axon Fusus takes advantage of the countless video systems and provides video access and analytics in real time. The Axon FususCORE puts AI right into the camera network, which means no more servers, camera license fees, or expensive network infrastructure needed to process video right at the source.

Axon Fusus provides a wide range of edge-based object detection and object classification. Objects that can be detected include:

People

Transportation (ex: car, bus, bicycle, truck, motorcycle, train, boat)

Things (ex: bags, backpacks, suitcase, hats)

Visual descriptors (colors)

Once the object type is detected, the AI can further classify the object for characteristics such as:

Top/bottom color

Gender

Has hat

Has backpack

Has bag

Search detections can be filtered by these defined parameters to return results within milliseconds. For example:

Person + white top + blue bottom

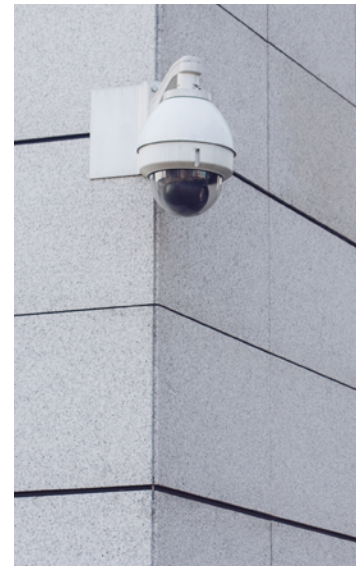
Person + white top + blue bottom + bag

Vehicle Manufacturer + Model + Color



BENEFITS OF EDGE BASED AXON FUSUS AI:

- Much more scalable for a city-network or private sector cameras
- Much faster compute times supporting real-time operational response
- Compatible with Browser-based and iOS/Android operating systems
- Camera agnostic
- Much lower bandwidth utilization
- Lower network infrastructure cost
- Robust & growing AI library; AI library updates over-the-air
- Works with 3rd party AI (both on-prem & edge-based)
- Rules-based policy engine drives video alerts to Axon FususONE and Axon FususOPS (mobile users)



BEHAVIORAL AI

Axon Fusus edge-based AI supports Motion and Event detection/alerting:

- Smart Motion Detection
- Line Crossing Detection
- Intrusion Detection

Motion and Events can be combined with:

- People Detection
- Vehicle Detection

Rules can then be applied:

- Wrong Direction
- Unauthorized Entry

When combined, exclusionary zones can be created and behavioral activities detected, analyzed and alerted.

AXON FUSUS SNAP AI

Images can be snipped from an Axon Fusus video or uploaded from external source and provided to the Axon Fusus AI engine. The AI engine will detect and then classify the image. Once loaded that image is then available for retrospective searches or forward-looking detections across connected cameras.

AXON FUSUS CAMERA-BASED DETECTIONS

Axon Fusus has strong partnerships with manufacturers like Bosch and Axis which enables Axon Fusus to support the camera specific native Video Analytics features that run on the camera itself and are integrated into the Fusus platform.

AXON FUSUS AI PARTNERS

Axon Fusus can also bring in best-of-breed AI from our partners, including weapons detection and retail specific AI from vendors such as ZeroEyes and EpicIO.

