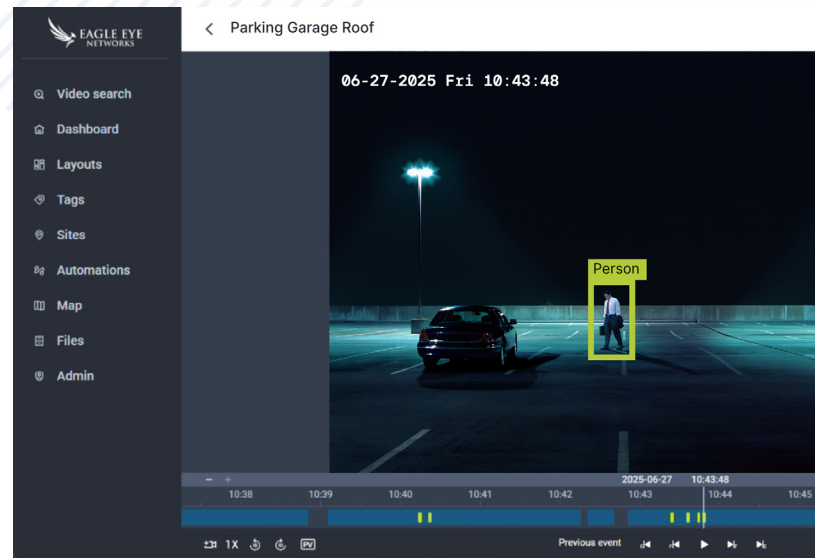EAGLE EYE
NETWORKS

DATA SHEET

Precision Person & Vehicle Detection

Use cases

Multifamily, HOA, and retirement community residences

Self-storage, warehouses, and other unmanned asset centers

Car dealerships, parking lots, and fleet yards

K-12 and higher education campuses with large perimeters to secure

Municipalities that need to monitor high-crime public spaces

Transform cameras into an intrusion detection system for immediate response.

Go beyond passive surveillance with notifications or automated actions based on events that need your attention. Get accurate alerts to let you or your staff know whether someone has crossed a property line, entered a sensitive area, or is waiting for assistance. You can also get notified when a truck is waiting by your loading dock, a customer is blocking a pickup zone, or a car enters a parking lot after hours.

Precision Person & Vehicle Detection is a paid add-on to the Eagle Eye Cloud VMS. It is available on a per-camera basis, with no bridge required.

Extend your security perimeter further than you thought possible.

- **Consistent alerts across any camera:** Manage detection sensitivity settings in the cloud for repeatable performance with 7,000+ compatible cameras.

- **Long-range precision and accuracy:** Identify long-distance activity with minimal image resolution.

- **Fewer false alarms:** Set triggers and detection zones to reduce expensive false alert fees by filtering for the kind of activity that matters.

- **Automate additional security processes:** Trigger additional security features such as lights and sirens or notify security teams via mobile application.

- **Integration with professional monitoring platforms:** Seamlessly and instantly alert service providers like Immix, Blue Eye, evalink, and more.

Key considerations

- **Required illumination:** 50 lux. As a rule, the person or vehicle should be clear enough in the video for human eyes to recognize
- **Attribute search:** Smart Video Search will not return video with requested attributes (such as gender, clothing, and vehicle color or model) from cameras with Precision Person & Vehicle Detection enabled. Attribute-based search is best suited for cameras capturing subjects close enough to properly distinguish those details.
- **Animal recognition:** Animals may be detected as persons to minimize missed activity of interest. Environments with frequent animal presence are not recommended.
- **Unique vehicle support:** Uncommon vehicles such as earth movers or electronic forklifts are not recognized and will not trigger vehicle-related alerts. For questions about specific applications, please contact productfeedback@een.com.

PIXEL AND FRAME RATE REQUIREMENTS

Minimum pixel size per person	8(H) x 16(V) pixels
Minimum pixel size per vehicle	25(H) x 20(v) pixels
Minimum camera resolution	640 x 480 pixels for preview video
Minimum frame rate	1 FPS for preview video

How Precision Person & Vehicle Detection works

Eagle Eye Precision Person & Vehicle Detection utilizes deep learning algorithms to precisely identify people and vehicles and to rule out the kind of motion events (from lighting changes to animal movements) that trigger false alarms.

This AI-powered processing operates in the cloud to deliver real-time alerts, ensuring consistency across all cameras and providing performance improvements as technology evolves. Frame analysis uses preview stream data, rather than full-frame video, for efficient use of bandwidth. Together, this means your current cameras can gain new AI functionality — no rip-and-replace, and no new on-premise hardware required.

You can customize alert settings by defining detection zones, adjusting sensitivity levels, and setting schedules. Select various deterrence automation and alert actions when a person or vehicle is detected, including email, push notifications, and alerts to alarm monitoring providers, including Immix, Blue Eye, evalink, and more.

EAGLE EYE PART NUMBERS

EN-ANA-018-1	Eagle Eye Analytic People/Vehicle Detect Monthly
EN-ANA-018-12	Eagle Eye Analytic People/Vehicle Detect Yearly

Cost-effective alerts from challenging locations

Combining solar-powered, cellular-equipped Eagle Eye Cabinet Systems with Precision Person & Vehicle Detection enables remote camera solutions while avoiding trenching for new connections. Keep a close and accurate eye on distant locations without paying for more infrastructure or personnel than you need.

Learn more

LEARN MORE
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