



SPOTTER
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NETWORKEDIO 6.0
Video AI + Radar AI

FIRST TO DETECT. FIRST TO PROTECT



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**We are driven by the mission to
“Prevent Harm”**

**Spotter Global delivers full perimeter security
solutions that deliver value to our customers by:**

- 1. Having a probability of alarming on Targets of Interest (TOI) more than 90% of the time**
- 2. Lowest false alarm rate in the industry**

**Announcing the world’s
FIRST fully integrated dual
Radar AI and Video AI
classification System**

NetworkedIO 6.0

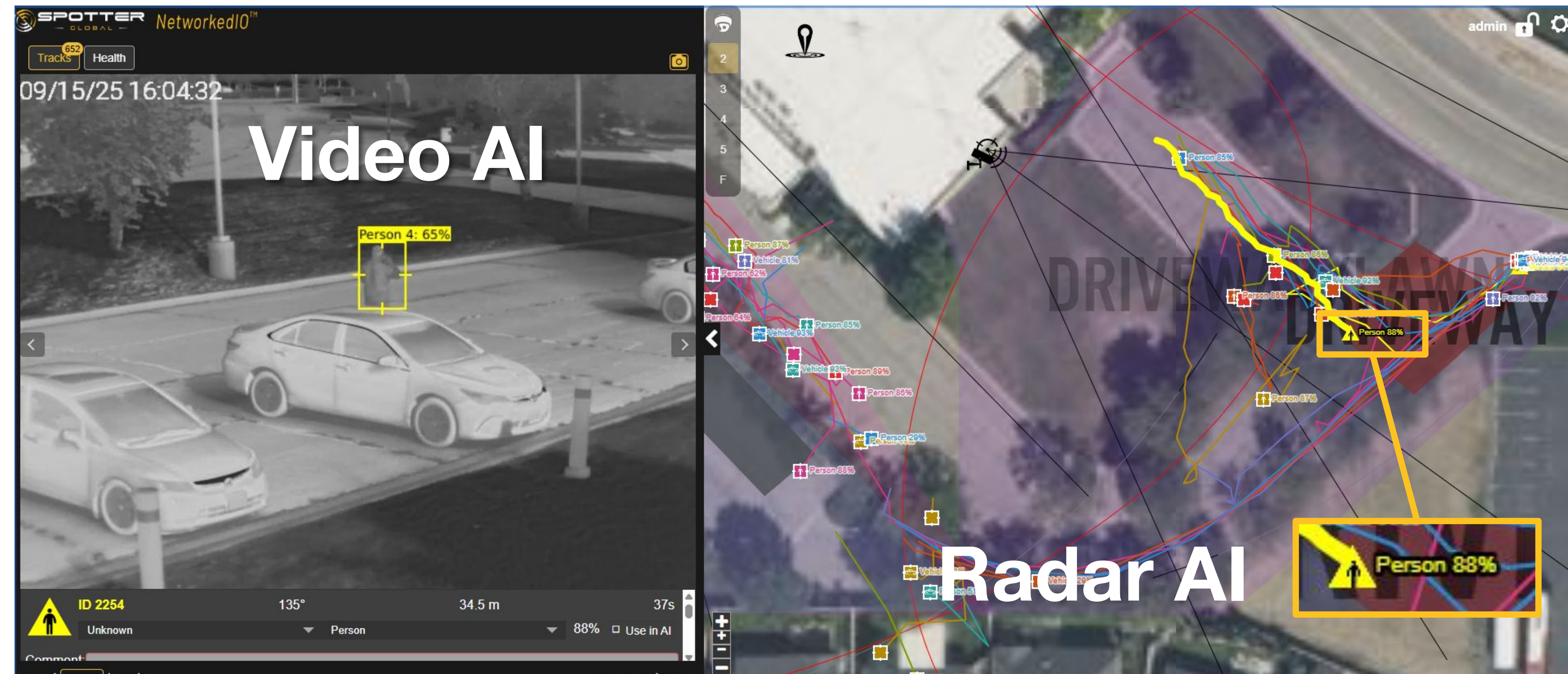
NetworkedIO 6.0 - The Next Generation

With Dual Radar AI and Video AI Classification

- Both Radar AI and Video AI used to qualify and classify targets
- Radar AI works better in bad weather and bad lighting
- Video AI provides finer resolution and works better in good lightning or with thermal

[VIDEO](#)

Making it easier for the operators



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Live Radar and Video AI Active Tracking

- Radar tracks target and cues camera
- Radar AI classifies the target
- Video AI Classifies Target
- Dual Classification for minimum false alarms

[VIDEO](#)



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NIO 6.0 False Alarm Mitigation

No alarms on sprinklers, still alarming on people and vehicles

The screenshot displays the SPOTTER NetworkedIO interface. On the left, a live video feed shows a person walking on a path. Below the video is a 'Track Info' panel with the following data:

SNR:	10.49	Avg. RCS:	0.31 m ²
Range:	70.0 m	Zone(s):	East Lawn
Input Device: Lawn/Driveway (SP62805)			
Sensor AI Class: Person 27%			
Sensor AI Secondary Class: Medium Animal 21%			
Video AI Class: Person 35% 68% 86%			

Below the track info, there are tabs for 'Live', 'History', and 'AI'. A table shows track details:

ID 78388	8/11/2025, 7:12:01 PM MDT	No	5s
East Lawn			

At the bottom, there is a '50 More' button and a status '288 of 1840 tracks'. The right side of the interface shows an aerial map with a red detection zone and various colored icons representing detected objects like people and animals.



NIO 6.0 False Alarm Mitigation

Easier to recognize animals versus people with Video AI

The screenshot displays the SPOTTER NetworkedIO interface. On the left, a video track shows a deer in a parking area. Below the video, the 'Track Info' section provides the following data:

Displacement:	3.5 ft	Total Dist:	4.5 ft
Duration:	2s	SNR:	7.94
Zone(s):	Parking 2, Parking 1		
Input Device:	Back Parking Pole (SP62801)		
Sensor AI Class:	Person 75%		
Sensor AI Secondary Class:	Medium Animal 20%		
Video AI Class:	Animal 43% 63% 82%		

At the bottom of the track view, there are buttons for 'Live', 'History', 'AI', 'Download', and 'Filter'. A status bar indicates '4 of 1006 tracks'.

In the center, a 'Display Tracks that:' filter menu is open, showing the following settings:

- Start: 7/19/25 05:54
- End: 7/23/25 05:54
- Search: 5000 Tracks
- Filter: VAI Animals (checked)
- Group: No Group
- Filter: VAI Animals
- Check All / Uncheck All
- Video AI Class = [Animal] 30%
- Unknown
- Drone
- Animal (highlighted)
- Bird
- Confidence: 30
- [Select to Add]
- Save / Cancel
- Filter: VAI People
- Filter: VAI Vehicle
- Filter: VideoAI Person
- Filter: VideoAI Vehicle
- Defaults
- Filter: Basic Camera Filters

On the right, a satellite map view shows the camera's field of view with a red circle and a location pin. A legend at the bottom of the map shows icons for a deer and a person.

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Search history using Video AI classification

- Search tracks with filters that look for Video AI classification type and Confidence
- Video AI types include:
 - People
 - Vehicles
 - Drones
 - Aircraft
 - Boats
 - Animals
 - Birds

[Video - Search](#)



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Making it easier for doing Alarm Reviews

The screenshot displays the SPOTTER interface. On the left, a video feed shows a person walking, with a yellow bounding box and the label "Person 82%". Below the video is a "Track Info" section for ID 128746, showing a heading of 188°, a distance of 43.0 m, and a duration of 64s. The track is classified as "Person" with 90% confidence. A comment field is present below the track info. On the right, a satellite map shows a red "ALARM ZONE" with several yellow person icons and their IDs (128750, 128746, 128750, 128750, 128750). The map also shows "ZONE 01" and various UI controls like zoom in (+) and zoom out (-) buttons.

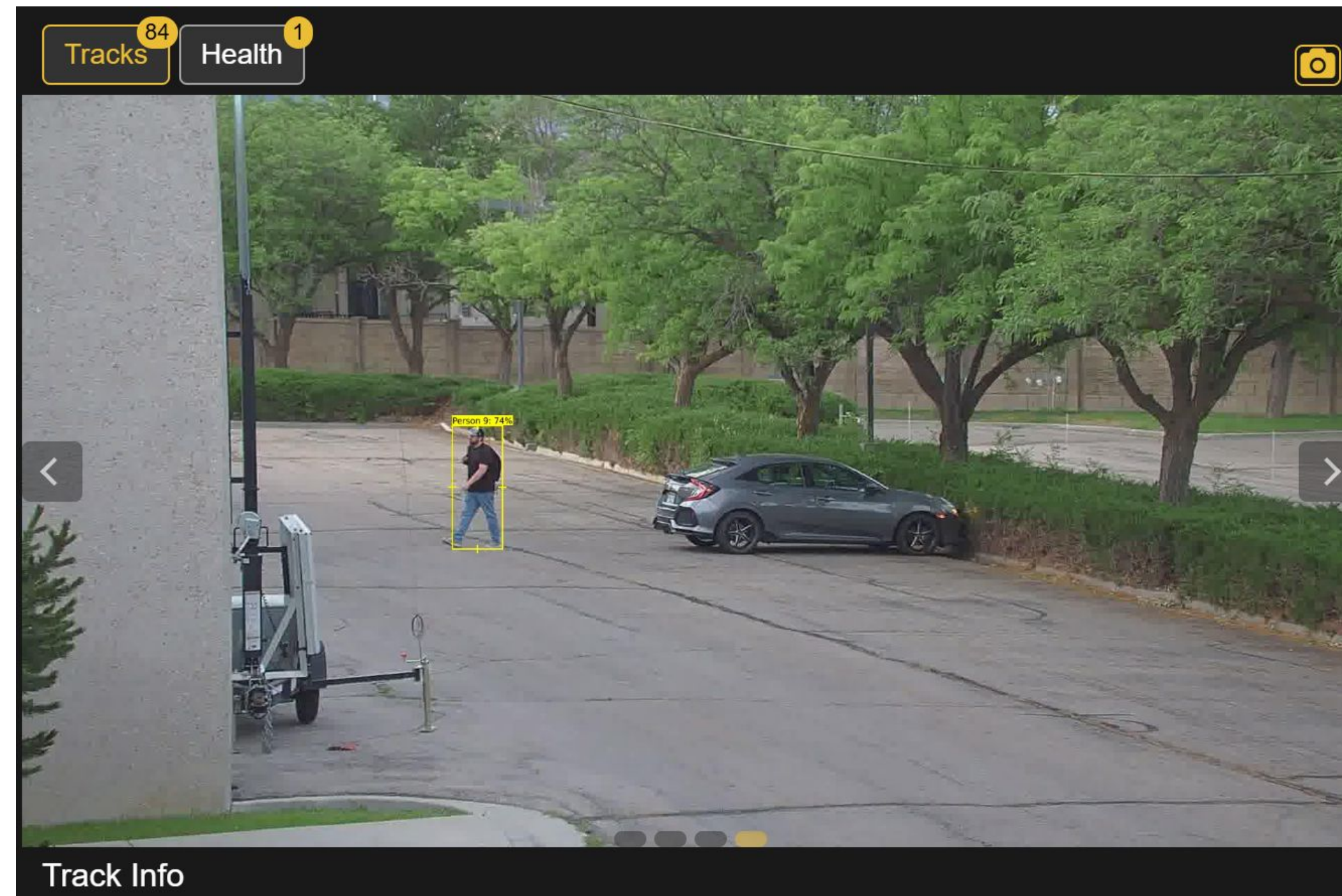
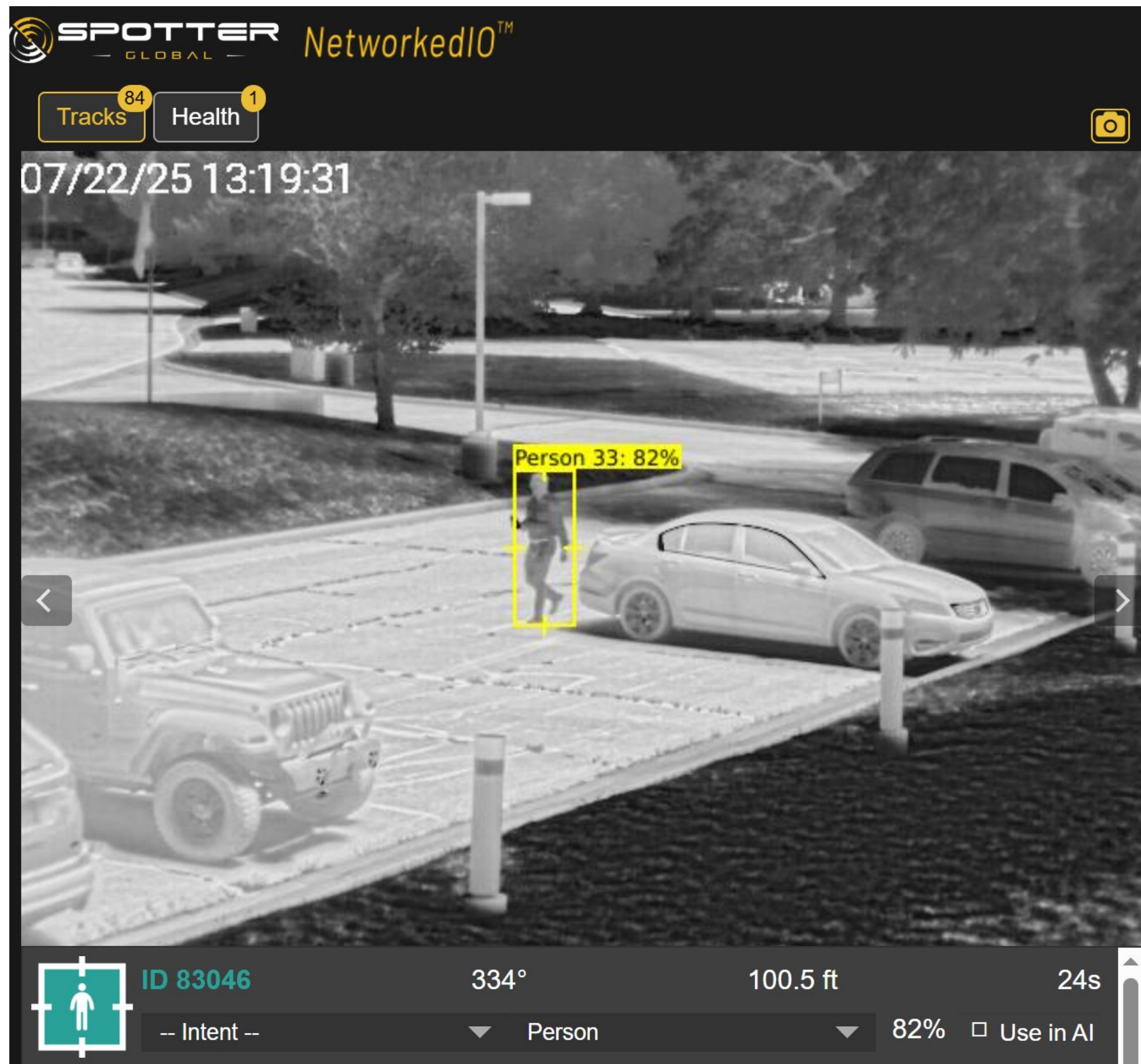
ID	Classification	Confidence	Duration
ID 128746	Person	90%	64s
ID 128746	Alarm Zone	No	64s
ID 128750		No	136s

NetworkedIO 6.0

Support both Thermal and Optical Cameras

Supports all cameras with existing drivers in NIO

- Supports Video AI on all cameras, MJPEG and H.264 compression for video in the RTSP stream



Making it easier for integrators and customers with existing cameras



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NetworkedIO 6.0

Recommended Camera Settings

MJPEG, 1240x1024, 3-10 frames/sec

AVIGILON™ 2.0MP H4 IR PTZ Day/Night 30x HD PTZ Dome Camera

Live View | Setup | About

General	
Network	
Image and Display	
Compression and Image Rate	Compression and Image Rate Format: <input type="text" value="MJPEG"/> Max Image Rate: <input type="text" value="3.75"/> ips [1.00...60.00] Max Quality: <input type="text" value="11"/> Primary Resolution: <input type="text" value="1280x1024"/>
Advanced	
Motion Detection	
Tamper Detection	
Analytics	
Privacy Zones	
Storage	
Digital Inputs and Outputs	
PTZ Tours	

HDSM SmartCodec™ Settings	
Enable:	<input type="checkbox"/>
Min Image Rate:	<input type="text" value="1"/> ips [1...4]
Bandwidth Reduction:	<input type="text" value="Medium"/>

RTSP Stream URI	
Unicast:	rtsp://192.168.20.60/rtsp/defaultPrimary?streamType=u
Multicast:	rtsp://192.168.20.60/rtsp/defaultPrimary?streamType=m

Primary Secondary Tertiary Quaternary	
Camera Name	<input type="text" value="Primary Stream"/>
Frame Rate	<input type="text" value="11 fps"/>
Image Size	<input type="text" value="1280 x 1024"/>
Encoding Standard	<input type="text" value="H.264"/>
H.264 Profile	<input type="radio"/> Base <input type="radio"/> Main <input checked="" type="radio"/> High
Rate Control Mode	<input type="text" value="CBR Mode"/>
Target Bitrate	<input type="text" value="8.0 Mbps"/>
GOP Structure	<input type="text" value="60"/> [1~64]
Audio	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
<input type="button" value="Apply"/>	

- Supports Video AI on all cameras
- RTSP stream input with MJPEG or H.264

Making it easier for integrators and customers with existing cameras



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Hardware Platforms

NIO-DIN-VAI-3, 5, 10



Smaller sites,
3, 5, 10 simultaneous cameras feeds
NIO-DIN-VIA-3, 5, 10

Uses NVIDIA GPU Chipsets

-5,-10 US Made Chipset option
available at additional cost and lead
time

-3 Non-US Made NVIDIA GPU (likely
China or Taiwan)

Compatible Hardware

Minimum computer requirements to support NIO-App with Video AI will depend on the number of cameras that will be connected to the NIO. NVIDIA GPU cards are required for Video AI operations. Must support Linux Distributions of Ubuntu or Debian (most recent Long Term Support (LTS))

1. For fewer than 8 cameras
 - a. Minimum of Intel Xeon processor with 8 cores or equivalent*
 - b. Minimum of 16GB of RAM
 - c. Minimum 500GB Storage (7200rpm HDD or SSD)**
 - d. NVIDIA GPU card required
 - i. NVIDIA RTX 2000 ADA or higher
2. For 9 - 16 cameras
 - a. Minimum of Intel Xeon processor with 12 cores or equivalent*
 - b. Minimum of 32GB of RAM
 - c. Minimum 1TB Storage (7200rpm HDD or SSD)**
 - d. NVIDIA GPU card required
 - i. NVIDIA RTX 4000 ADA or higher
3. For 17 - 24 cameras:
 - a. Minimum of Intel Xeon processor with 16 cores or equivalent*
 - b. Minimum of 64GB of RAM
 - c. Minimum 1.5TB Storage (7200rpm HDD or SSD)**
 - d. NVIDIA GPU card required
 - i. NVIDIA RTX 5000 ADA or higher

- First release 6.0 on **new VAI hardware and NIO App platforms**
- **Video AI model for Ground only**
- Next release, 6.1 will support Video AI on
 - NIO-DINm
 - Older NIO-DINs
- 6.1 will include **Video AI model for Air**



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NIO 6.0 Key Points

- First Fully Integrated Dual Video and Radar AI classification and false alarm reduction
- Releasing Sept. 29, 2025, with Ground Video AI model
- Fully integrated system, installed on a single NIO embedded computer or Linux server
 - Will run on new NIO-DINs that have the NIO-App or the NIO-DIN-VAI
- Low initial investment
 - **Scales** from 1 to many
 - Permanent and yearly licenses available
 - Upgrade license file is required that matches to warranty term on the NIO
 - New license file is required for all upgrades of existing NIOs before the upgrade
- Camera Agnostic
 - All cameras supported by NIO will work with Video AI
- Both ground targets and drone Video AI models supplied with the NIO
 - Factory built Video AI models
- Radar AI functions unimpeded by bad weather conditions or bad lighting



Schedule a meeting with a Service Engineer or BD person at:

spotterglobal.com/schedule-a-meeting



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