

Tracking & ReIdentification for Exploitation of Networked Targeting

HUNTER

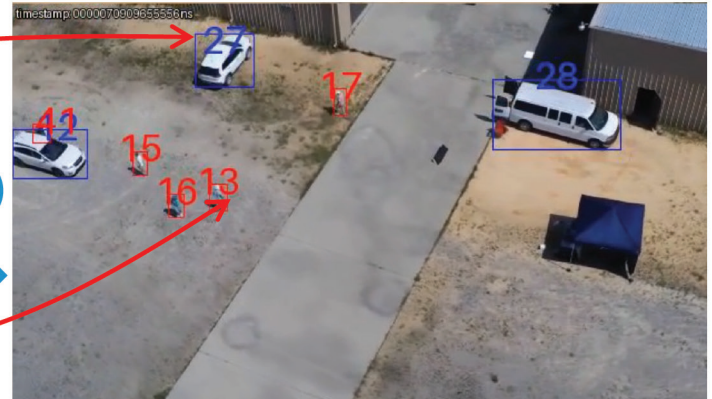
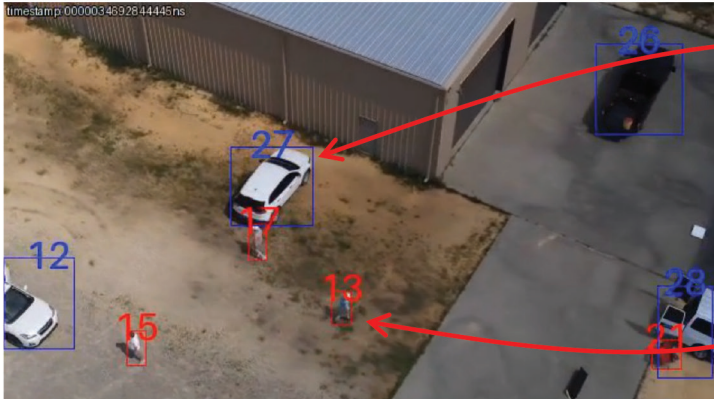


TARGET SHARING WITH MINIMAL BANDWIDTH (KB/S)



SUPPORTS TARGETING MOVING OBJECTS

KILLER



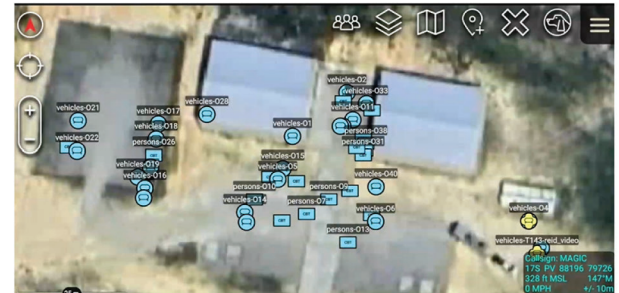
SIMPLIFIES OPERATING PICTURE FOR DECISION MAKING (TAK EXPORT)



ATR ONLY



TRIDENT



FEATURES

- Detect, track, and ReID people, vehicles and military assets
- Identify the same object across different surveillance assets
- Identify the same object across time with intermittent visuals
- Process data in real-time across tens of surveillance assets
- Map location of detections, tracks and objects
- Scales to process tens of assets and thousands of detections
- Reduce UAV coms bandwidth for targeting (MB/s → KB/s)
- Export locations and images to TAK
- Allows Users to easily expand target catalog without retraining
- Modular and works with other ATR systems

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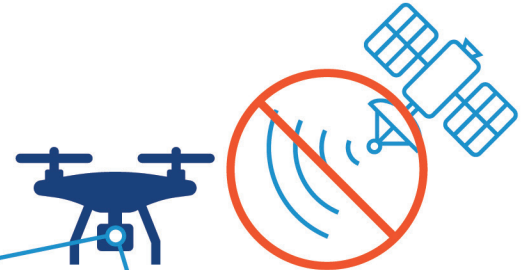
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GPS-Denied Navigation for UAVs



Navigate UAVs (Unmanned Aerial Vehicles) without GPS

- ▶ NAVIGATE URBAN AND RURAL AREAS
- ▶ NAVIGATE AT LOW AND HIGH ALTITUDES
- ▶ NAVIGATE WITH GIMBALED CAMERA
- ▶ PROVEN IN DIVERSE AREAS



FEATURES

- Navigate UAV without GPS from onboard video stream
- Ensures automated operation in GPS-denied environments
- Light-weight databases (10,000 km² per TB)
- Light-weight algorithms (runs on Jetson Orin Nano)
- Onboard deployment
- UAV agnostic
- Navigate with angled or downward facing cameras
- Navigate in diverse environments (rural and urban)
- Navigate at low and high altitudes

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