



## AUTONOMY, DEPLOYED AT MISSION SPEED

### Modular, platform-agnostic autonomy systems built for real-world operations.

Built for the fight, our technology connects robotics across domains—enabling operators to deploy faster, adapt to changing mission needs, and operate with greater speed, awareness, and safety. A modular integration approach allows autonomy to be configured, fielded, and scaled across platforms without starting from scratch.

■ A MODULAR SYSTEM

■ THE TEAM

### A CONFIGURABLE APPROACH TO AUTONOMY

The Detroit Defense Autonomy Kit transforms autonomy from a one-off integration effort into a modular, deployable system. Designed to integrate across a wide range of vehicles, it enables teams to rapidly configure and field autonomous capabilities tailored to mission requirements.

### INTEGRATION MEETS INTELLIGENCE

A collaboration that brings together two leaders at the edge of defense innovation. Detroit Defense with Carnegie Robotics, come together to deliver an autonomy system that is ready to deploy, adapt, and scale in the modern fight.

Platform-agnostic integration across vehicle types

Modular architecture built for flexibility and scale

Designed for rapid deployment in operational environments

#### ANY VEHICLE. ANY MISSION.

The Detroit Defense Autonomy Kit transforms autonomy from a one-off integration effort into a modular, deployable system:

- Platform-agnostic integration across vehicle types
- Modular architecture built for flexibility and scale
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HOW IT WORKS

# BUILT TO EVOLVE WITH THE MISSION

The Detroit Defense autonomy kit is platform and DBW agnostic, capable of interfacing with Dataspeed DBW, CRL Stallion DBW, among others. It can be easily retrofit to new platforms by virtue of it's modular construction.

Operators can expand, adapt, and upgrade autonomy over time—extending the value of each platform and reducing integration effort across missions.

- STEP 01
- STEP 02
- STEP 03
- STEP 04

### Select the Mission

Recon, ISR, C-UAS, security, resupply, optionally manned operations

### Choose the Platform

Integrates across commercial and tactical vehicles without platform-specific redesign.

### Deploy the Autonomy Kit

Pre-integrated sensors, compute, drive-by-wire, and operator controls—ready to field.

### Add Capabilities

Expand functionality with mission-specific payloads and software modules.

#### Gemineye AE PTZ Camera

Thermal And RGB PTZ Camera capable of 30x optical zoom. Providing high-fidelity information for any ISR application. Monitoring targets or detecting thermal signatures near or far.

#### Multisense S27 Stereo Camera

Provides visual and geometric information to the autonomy allowing Trail detection and following. This also supports a safety layer for human detection and avoidance.

#### Vectornav GPS

Provides high-fidelity baseline RTK on L1 and L5 constellations supporting operation under canopy and providing position information to autonomy.

#### Rear Sensor Array

Optional rear sensor array provides the same suite of autonomy capabilities with awareness behind the vehicle. Supporting autonomous reverse maneuvers, and ISR on a wider FOV.

#### Ouster 3D Lidar

Provides high-fidelity geometric information to autonomy system for ODOA, supporting operation in GPS-degraded and contested environments.



Mission → Platform → Kit → Capability

A modular approach enables rapid configuration and deployment of autonomy across any mission set.