

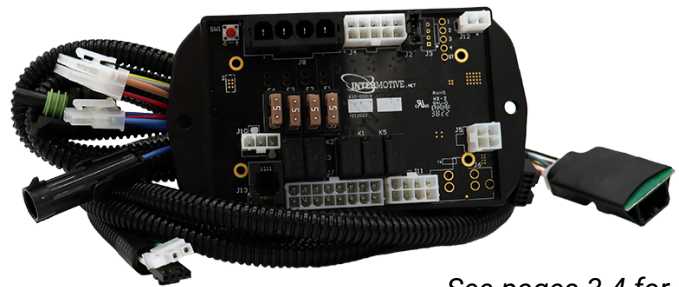
OpsVantage (for 2025 RAM 1500)

Officer Protection with Custom CAN Utilization



Upfitter Interface Module® + Features

- Provides CAN vehicle data access in order to activate and control equipment
 - Acquires CAN data passively to eliminate unnecessary network communication
 - Easily programmable using our Graphical User Interface with AND/OR logic
 - Eleven digital outputs can be programmed as desired:
 - Momentary (e.g., air horn siren)
 - Latching (e.g., emergency light)
 - Time-hold (e.g., weapons lock)
 - Time-delay (e.g., delayed siren)
 - Flashing (e.g., lights on when door opens)
 - Timeout (e.g., turns off cargo lamp after 30 minutes)
 - Multiple inputs can control a single output
 - Includes horn mute, radio mute and panic mute (silent alarm)
- Includes **IdleLock™ with AutoSense™**:
 - Theft prevention system for idling vehicles
 - Automatically activates when the officer exits with the OEM fob or the doors are left open; auto-deactivates when the fob returns
 - If the vehicle is shifted out Park without the fob detected, IdleLock will shut the engine off and engage the park brake
 - All lights, equipment and HVAC are still fully functional while system is active
 - System disables auxiliary equipment/ weapons rack or provides lock delay function via an output



See pages 3-4 for a list of CAN data available for configuration.

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Police Interface Module (PIM)

- Supports multiple InterMotive features on one module
- Designed specifically for law enforcement vehicles



PIM A* Features

Intelligent Switch Mode

- Custom reprogramming of steering wheel auxiliary buttons
- Enables quick activation of lights, sirens, spotlights, push-to-talk radio and installed InterMotive features
- Increases functionality and efficiency

Officer Protection Package

- Increases an officer's situational awareness by detecting movement behind the vehicle
- Activates the vehicle's rear sensor and camera to enhance the officer's range of vision
- Provides warnings cues, locks doors, flashes lights and more

**PIM A is not a standalone product; it must be combined with PIM B to activate the Officer Protection Package*

PIM B Features

Blackout Mode

- Deactivates exterior and interior lights and chimes, and mutes the horn
- Turns off the center stack screen
- Automatically disengages for safety when vehicle speed reaches between 5-20 mph (configurable)
- Steering wheel activated
- Perfect for covert surveillance and operations

Wig-wag Lights

- Activates rapid alternating lights for front low beams and rear stop/turn lamps
- Highly visible function for catching attention



CAN Data Availability

DATA	ACTIVE DATA	CONFIGURABLE OUTPUT	J1939 NETWORK
Vehicle Speed		X	X
Acceleration Rate		X	
Engine Speed		X	X
Engine Running		X	X
Engine Coolant Temperature	X	X	X
Transmission Oil Temp.		X	X
Fuel Level		X	X
Ambient Air Temperature		X	X
Accelerator Pedal Position		X	X
Parking Brake		X	X
Service Brake		X	X
Air Conditioner Compressor		X	X
ABS Active		X	X
Malfunction Indicator Lamp		X	X
Transmission Range		X	X
Key Position		X	X
Driver Door Status		X	X
Passenger Door Status		X	X
Rear Driver Door Status		X	X
Rear Passenger Door Status		X	X
Rear Door/Tailgate		X	X
Any Door		X	X
Park Lamp		X	X
Low Beams		X	X
High Beams		X	X
Daytime Running Lamps		X	X
Left Turn Signal		X	X
Left Turn Latched		X	
Right Turn Signal		X	X
Right Turn Latched		X	
Any Light		X	
Door Lock Status		X	X
Radio Muted		X	
Hazard Lights		X	X
Hazard Lights Latched		X	

(continued)

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CAN Data Availability (continued)

DATA	ACTIVE DATA	CONFIGURABLE OUTPUT	J1939 NETWORK
Driver Seat Belt		X	
Passenger Seat Belt		X	
Odometer			X
Daylight Sensor		X	
Brake Pedal Position %		X	
Airbag Light		X	
Wheel Drive		X	
AC Button Active		X	
Steering Wheel Angle		X	
Battery Percentage		X	
Battery Voltage		X	
Dimmer Switch		X	
Cruise Control Switch		X	
Cruise Control + Switch		X	
Cruise Control - Switch		X	
Cruise Control Cancel Switch		X	
Cruise Control Resume Switch		X	
Front Wiper Status		X	
HVAC Fan Speed Switch		X	
Fob Present		X	
Horn Active	X	X	X
Horn Switch	X	X	X
Panic Alarm		X	
Cargo Light		X	
Horn Mute Active		X	
Idle Lock Active		X	
VIN			X
Mass Air Flow	X		X
Engine Oil Temp	X		X
Throttle Position	X		X
Barometric Pressure	X		X
Intake Air Pressure	X		X
Intake Air Temperature	X		X
Engine Load	X		X
PCM Emission DTCs count	X		X