

**EMERGENCY VEHICLE PREEMPTION · COLLISION
AVOIDANCE**

ELiMiNATOR® System

GPS + 900 MHz FHSS encrypted radio preemption. No line-of-sight. Optional cellular. DOT-approved in multiple states. Engineered for fire, EMS, and police fleets that cannot afford a network outage.

~3 mi

Range, unobstructed

900 MHz

FHSS encrypted

GPS + IMU

Dead-reckoning

DOT approved

Multi-state

CAPABILITY HIGHLIGHTS
No line-of-sight

Operates through buildings, curves, fog, rain, and snow.

Optional cellular

Functions during disasters, outages, and network congestion.

Instant-on deployment

No zone mapping, no learning period — operational at install.

Direction-held preemption

Holds the green for other valid responders from the same direction.

THE COMPLETE SYSTEM
VEHICLE
GPS / Radio Control Unit

Onboard collision avoidance. Hands-free auto-activation. Configurable defeat inputs (door, brake, seat belt). FCC Part 15 certified.

INTERSECTION
GPS 4-Channel Phase Selector

Drops into existing NEMA TS-2 cabinets. Configurable geo windows per approach. Corridor relay built in.

DASHBOARD
Data Collector · Clearpath Command

Central MySQL data collector ships today; web dashboard for fleet visibility, event logging, and remote configuration in development.

HOW IT COMPARES

CAPABILITY	ELIMINATOR	OPTICAL / IR	CELLULAR GPS
Operates without line-of-sight	Yes	No	Partial
Cellular dependency	Optional	Optional	Required
Disaster / outage resilience	Full	Partial	Limited
Built-in collision avoidance	Included	No	Add-on
Range, unobstructed	~3 mi	~1,500 ft	GPS-dep.

INTERSECTION SYSTEM · GPS 4-CHANNEL PHASE SELECTOR

Dimensions	6.50" L × 2.50" W × 4.50" H
Weight	1.20 lbs (544 g)
Voltage	120V AC

Operating temperature	–34°C to +74°C (–30°F to +165°F)
Cabinet compatibility	NEMA TS-2 — drop-in to existing infrastructure
Antenna	Cabinet-mounted; no mast arm or span wire beacon required
Geo windows	Configurable per approach; multi-point polygon support
Management	On-site or remote via central data collector

VEHICLE SYSTEM · GPS / RADIO CONTROL UNIT

Positioning	GPS + IMU dead-reckoning, multiple updates/sec
Radio	900 MHz FHSS encrypted, mesh-capable, ~3 mi unobstructed
Activation	Hands-free auto-activation; manual single-direction preempt with test mode
Collision avoidance	Built-in; works in rural areas without signals
Defeat inputs	Door open/close, parking brake, seat belt, GPS Park (configurable)
Connectivity	Wi-Fi auto-connect; ad-hoc Wi-Fi to intersection units; optional cellular

CERTIFICATIONS & APPROVALS

FCC Part 15 U.S. radio compliance	CE EU market ready	NEMA TS-2 Traffic cabinet std.	DOT Approved Multi-state
SDVO SB Service-disabled veteran-owned	Patent-protected Proprietary tech	EMC tested Independent lab	Validated software Unit-tested algorithms

DISTRIBUTOR PROGRAM

WHAT WE PROVIDE ▶ Authorized-distributor pricing & protected margins ▶ RFP / spec writing support ▶ DOT approval-process assistance ▶ Pilot program coordination ▶ Installation & commissioning training ▶ Co-branded marketing collateral	TARGET BUYERS ▶ Fire departments & districts ▶ EMS agencies ▶ Police & sheriff fleets ▶ Municipal traffic engineering ▶ State DOTs & regional MPOs ▶ Federal & tribal public-safety agencies
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