



D-Fend Solutions' EnforceAir2 Covert Vehicle Kit

DISCREET, HIGH-PERFORMANCE CYBER C-UAS PROTECTION ON-THE-MOVE

Security teams responsible for safeguarding VIPs on-the-move, law enforcement units engaged in mobile operations, and various other sectors tasked with ensuring safety while in transit require covert mobility and effective countermeasures against drone risks.

D-Fend Solutions' EnforceAir2 Vehicle Kit is a covert mission-critical C-UAS for mobile scenarios, delivering a MOVING BUBBLE OF PROTECTION with fast and accurate detection and controlled, safe mitigation technology that does not interfere with vehicle GPS reception or communications systems nor cause collateral damage.

Main Features & Benefits

Comprehensive Coverage

Set of five small footprint magnetic antennas for installation on vehicle's roof, with 360° coverage on the move

Covert Protection

Stealth without compromising performance; upright installation of the SDR inside the vehicle to free up storage space

Fast Set-Up

Easily mounted and transferred between different vehicles within minutes, with no need for any tools or vehicle modifications

Ease of use

Tablet control with intuitive graphical user interface

Constant Power

Dedicated and extendable powerpack for continuous operation

Autonomy

Optional autonomous mode, freeing up the driver and team to focus on navigation and mission

Multi-Use

Seamless transition to tactical, stationary, and man-portable deployments

Interoperable with D-Fend's Multi-Sensor Command & Control system

D-Fend Solutions' [Multi-Sensor Command & Control](#) system (MSC2) empowers our customers to manage multiple different EnforceAir deployment kits simultaneously and remotely from a single server, so organizations can protect large tracts of land from unauthorized drones and scale up fast, regardless of the operational requirement.



Main Components

- ▶ Vertical cradle for SDR
- ▶ Quick mechanical adaptors
- ▶ Discreet, magnetic omni antennas
- ▶ Vehicle tablet mount
- ▶ Backseat ISO-FIX attachments
- ▶ Battery powerpack purchased separately



Operational Flexibility for The Most Challenging Environments


Addressing a diverse range of drone threats encountered in different missions, use cases and environments, D-Fend Solutions' EnforceAir2 offers a comprehensive solution with multiple deployment options. This next-gen, radio frequency (RF)-cyber takeover-based counter-drone system provides optimized coverage for a wide variety of scenarios, conditions, and terrains.

With seamless operational flexibility, EnforceAir2 delivers enhanced, expanded, and extended C-UAS capabilities, with even more power, performance, portability, and long-range coverage, all in a compact footprint.

The Covert Vehicle kit can be included in the EnforceAir2 **Tactical SOF Bundle**, which enables tactical teams to supersede **deployment challenges** and unleash **full operational flexibility** over tactical, vehicle, long-term tactical, and man-portable operations. The EnforceAir2 bundle allows for easy conversion between deployments, with the same core hardware elements in just minutes.



Technical Specifications	
Operating Frequency	400MHz-6GHz
Transmission Power	Up to 36 dBm
Operating Voltage	AC: 100-240V, 50/60Hz • DC: 20-36V Nom-24V
Power Consumption	150W/170W (Detection/Mitigation)
Weight & Dimensions	SDR: 12.8kg/28.2lb LxHxW: 39 x 52 x 12cm / 15.35 x 20.5 x 4.7 in <hr/> Transport Case: 30kg/66lb LxHxW: 68 x 53 x 38 cm / 26.6 x 20.7 x 14.9 in (incl. SDR, power supply, management tablet, cables & accessories)
Environmental & Radio Compliance	MIL STD 810H, MIL STD 461, IP66
Operating Temperature	-30°C to +50°C



EnforceAir2 is available in white and desert sand colors.

Technical Specifications

Frequency Range	420MHz to 6GHz
Radiation Pattern	Omnidirectional
Gain	0dBi
VSWR	≤3.0
Polarization	Nominally vertical
Nominal Impedance	50 Ω
Power Rating (CW)	<ul style="list-style-type: none"> • 420-2500 MHz: 200 W • 2500-4000 MHz: 160 W • 4000-6000 MHz: 130 W
Radiator	Radome protected
RF Connection	Female N-type
Operating Temperature	-30°C to +50°C
Dimensions	<p>Wideband Antenna:</p> <p>Footprint: Ø 88mm Height: 142mm Weight: 0.9kg Mounting: Ø 88mm magnet (vertical holding force typically 280 N when mounted on 0.8mm steel sheet)</p>
	<p>GPS WiFi Antenna:</p> <p>Height: 57.7mm Width: 113.6mm Length: 186mm</p>
	<p>Vehicle Cradle:</p> <p>Height: 89.7mm Width: 578mm Length: 540mm</p>
	<p>Portable Power System (Optional):</p> <p>Height: 287mm Width: 274mm Length: 325mm</p>
	<p>Transport Case Dimensions</p> <p>Width: 615mm/24.21in Length: 795mm/31.28in Depth: 444mm/17.48in</p>



For more information, please visit: www.d-fendsolutions.com or contact us at: info@d-fendsolutions.com

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