



D-Fend Solutions' EnforceAir2 Tactical Kit

GAINING TACTICAL ADVANTAGE WITH HIGH-PERFORMANCE CYBER C-UAS

Ground forces and law enforcement personnel require a counter-drone deployment option that is lightweight, portable, and easy to assemble, yet also rugged and robust, and capable of enduring the full spectrum of weather conditions for ground-level or high-altitude deployments.

D-Fend Solutions' tripod-mounted **EnforceAir2 Tactical Kit** is designed to provide 360° omni coverage for ground forces in urban, rural and sensitive environments. The system can be deployed at ground level, rooftops or elevated terrains to protect against drones flying at both low and high altitudes.

Main Features & Benefits

- **Long-Range Coverage:** Up to 4.5km detection range and mitigation between 1.2-4km, with 360° omni coverage
- **High Performance Antennas:** Compact footprint, lightweight, small form factor implementation, maximum RF coverage (-30°, +30°) above and below the horizon
- **Rapid Deployment:** Quick and easy set-up by one person, no tools needed
- **Easy Transport:** Small and light Pelican AIR cases, with only two cases per deployment kit
- **Minimal Power Consumption** with powerful real-time processing
- **Ease-of-Use:** Controlled and configured by intuitive management tablet
- **Environmental and Radio Compliance:** MIL-STD-810H, MIL-STD-461G, Ingress Protection Rating 66 (IP66)
- **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

- **Purpose-built Cyber SDR Hardware:** Powerful real-time, processing, advanced RF technology
- **High-Performance Antennas:** Multiple input, multiple output
- **Ultra-Stable Tripod:** Ruggedized, sturdy tripod for quick assembly of the EnforceAir SDR unit, including quick installation brackets for tripod, SDR unit, and antennas – without the need for additional tools

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.



Specifications

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.

Electrical Specifications	
Frequency Range	420MHz to 6GHz
Radiation Pattern	Omnidirectional
Gain	2dBi
VSWR	3:1
Polarization	Nominally vertical
Nominal Impedance	50 Ω
RF Connection	D3899
Operating Temperature	-30°C to +50°C

Mechanical Description	
Dimensions	Antenna: UWB Short 14cm /5.5in H; 6cm/2.36in Ø UWB Long 26cm/10.2in H; 6cm/2.36in Ø
	Transport Case Width: 492mm/19.36in Length: 1196mm/46.69in Depth: 222mm/8.73in

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

© 2024 D-Fend Solutions AD Ltd., its logo, brand, EnforceAir product, service and process names appearing in this document are the trademarks or service marks of D-Fend Solutions, or its affiliated companies. All information in this document is for general information only and it may be changed without notice. This document contains proprietary information of D-Fend Solutions or its affiliates.

