D-FEND
SOLUTIONS

EnforceAir C-UAS Deployment Options
RF Cyber-Takeover with Operational Flexibility

Operational Flexibility for the Most Challenging Environments

Drone threats vary by mission, use case and environment, so D-Fend Solutions' EnforceAir RF cyber takeover-based counter-drone system offers multiple deployment options, providing optimized coverage for a wide variety of scenarios, conditions, and terrains.

EnforceAir provides the ultimate in operational agility & flexibility. EnforceAir is lightweight and compact, and can be rapidly taken apart, moved, and reassembled in minutes.

EnforceAir Takes Control of the Drone to Take Control of the Threat

- C-UAS, Cyber RF-based takeover technology
- Advanced software-defined radio (SDR) technology, in either autonomous or manual mode
- 360° degree azimuth, offering wide area coverage and protection from all directions with omnidirectional antenna (except for long-range directional scenario)
- Operating temperature: -30°C – +50° C/-22°F—+122°F
- 24 hours of continuous operation
- Distinguishes between authorized and unauthorized drones
- Lands rogue drones safely at a predefined safe zone, facilitating continuity
- Ruggedized, certified hardware designed to

- withstand extreme weather and dust, with rapid and easy set-up for operational flexibility
- Non-jamming, non-kinetic, no false positives, no line-of-sight required
- No interference with GPS signals or communications systems
- End-to-end C-UAS capabilities for any scenario or environment
- Open API for integration with Command and Control systems
- Ingress Protection Rating 66 (IP66)-compliant SDR

EnforceAir has been tested and proven, with hundreds of deployments worldwide, and thousands of ongoing operational hours.

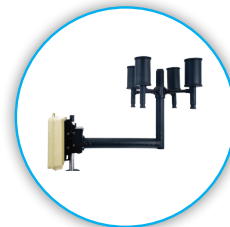## EnforceAir Deployment Configurations

Military Vehicle

Vehicle

High-Altitude Tactical

Ground-Level Tactical

Long-Range Directional

High-Altitude Stationary

ENFORCEAIR MILITARY VEHICLE

D-Fend Solutions' Military Vehicle Kit provides protection on the move, with a dual-use setup kit for mobile and static deployments, enabling military personnel to rapidly move EnforceAir onto a tripod when required.

- Autonomous operations, enabling forces to focus more on their operations while driving in vulnerable areas
- Shock-absorbing 810F MIL cradle for ground-level military antenna designed for ad-hoc or permanent installation in a military vehicle and for the SDR unit
- MIL-STD-810G certified, IP66-compliant Radome

ENFORCEAIR VEHICLE

D-Fend Solutions' Vehicle Kit offers a discreet deployment, delivering a moving bubble of protection, without attracting undue attention. VIPs, law enforcement personnel and people across other sectors can enjoy full mobility, without the limitations imposed by the rogue drone threat, or being noticed or identified.

- 5-minute installation, on-the-move protection
- Maximum stealth without compromising performance, with simple transition from mobile to tactical or static deployment
- Sturdy cradle for SDR unit, along with magnetic, omnidirectional antennas for covert operations
- Set of 5 small-footprint, ultra-wide band antennas for installation on vehicle's roof
- IP65 compliant

ENFORCEAIR HIGH-ALTITUDE TACTICAL

D-Fend Solutions' High-Altitude Tactical Kit provides operational agility and flexibility in high altitude environments, as its core elements can be easily transferred, mounted and configured within minutes. Particularly suitable for urban and sensitive environments, the High-Altitude Tactical Kit covers drones coming at both high and low altitudes.

- Broad elevation coverage for drones coming from below and above the horizon
- Ultra-stable, ruggedized tripod, and a tactical, high-performance, wide-angle, folding antenna, supporting $\pm 40^0$ vertical beam above and below the horizon, and easily transported in purpose-designed ruggedized duffle bag
- Weather resistant, including high humidity and high-wind situations, with certified hardware designed to withstand extreme weather and dust
- IP55 compliant

ENFORCEAIR GROUND-LEVEL TACTICAL

D-Fend Solutions' Ground-Level Tactical Kit provides complete support for ground forces and law enforcement personnel, combining a ground-level antenna, mechanical brackets and modular carrying cases.
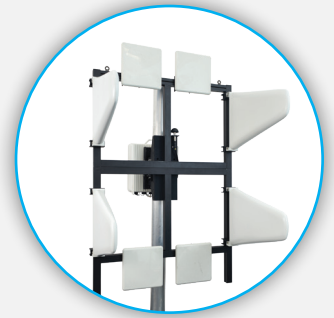
- Ultra-wide-band, ground-level antenna, with mechanical brackets, and modular carrying case with SDR sensor
- MIL-STD-810G certified, IP66-compliant Radome

ENFORCEAIR LONG-RANGE DIRECTIONAL

Certain environments, such as vast expanses that require long-distance coverage like airports and borders, are more challenging and demand specialized capabilities. EnforceAir Long-Range Directional Kit was designed primarily for stationary, long-range coverage deployments.
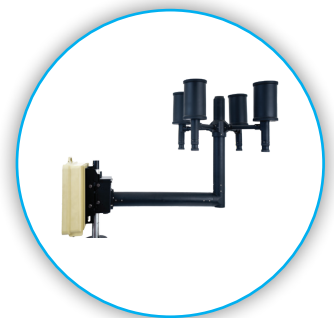
- Unique sensor solution, protecting spaces such as border lines and approaching and take-off air corridors, often referred to as obstacle limitation surfaces (OLS)
- Ultra-wide band antenna unit, designed for fixed, stationary deployment on a pole, providing 30°- 60° azimuth coverage (RF-band dependent) and 30° elevation, extending the directional coverage range to long distance
- Directional sensor secured to an easy deployment pole installation bracket for the SDR unit and stationary antenna, supporting pole diameter of 60-120mm
- Multi-pin, wide frequency RF cable, connecting the SDR processing unit to the stationary antenna and GPS port
- IP65-compliant ultra-wide band antenna, IP67-compliant WiFi antenna

ENFORCEAIR HIGH-ALTITUDE STATIONARY

D-Fend Solutions' High-Altitude Stationary Kit is a dual-purpose setup kit, with an enhanced vertical aperture to detect and mitigate drones that take off from short distances, while also contending with UAVs that approach from the horizon.

- +40°/-40° vertical coverage, delivering a wide area of coverage to support diverse types of threats/conditions
- Single, ultra-wide-band antenna solution, with full range of coverage, reducing the number of necessary counter-drone systems, operators, person-hours, etc.
- IP55 compliant

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