D-EARS DROPPING

Passive Acoustic Sensing C-UAS Solution



Concept illustration

D-EARS DROPPING adds a passive acoustic layer to the counter-UAS stack. It helps detect and localise drone activity without transmitting, supporting faster awareness and a better response in the field.

Fixed-wing UAVs | **Multi-rotors** | **Distributed field use** | **Fixed perimeter defence** | **OEM integration**

Passive detection

It provides passive drone detection with acoustic classification and localisation, real-time alerts, AI processing on the edge and easy integration through standard interfaces. Built for multi-rotor threats, it is a receive-only sensing layer for existing C-UAS systems, designed to complement radar, RF, optics and command-and-control systems.

Mission-ready integration

The system is designed to complement radar, RF, optics and command-and-control systems, while remaining flexible across perimeter, field and mobile deployment concepts.

Typical deployments include fixed perimeter defence for bases, borders and sensitive facilities, distributed field use across changing terrain, mobile force protection for mounted and dismounted forces, and OEM integration into existing C-UAS, surveillance and C2 systems.

Learn more and contact us: **www.d-fence.com** WhatsApp: **+972 54-433-1909**

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Specifications

Sensing configuration	Ring or linear microphone array
Processing unit	1
Mount (optional)	Tripod; 1/4-inch standard mount interface
Mechanical mounting	Bracket (custom solutions available)
Electrical interface	PoE (Power over Ethernet)
Communication interface	RJ45
Status indicators	LED indicators for power and health
Power consumption (nominal)	< 15 W
Microphone unit	32.0 × 23.9 × 16.3 mm with wind filter, 28 g; board 20.9 × 16.2 × 6.0 mm, under 5 g
Sampler	Housing 97 × 65 × 36 mm, 138 g; board 65 × 37 × 10 mm with 44-pin connector, 32 g; 1 m harness 210 g
Sampling frequency	4, 8, 16, 32, 64 kHz
Frequency response	100 Hz to 21,000 Hz
Dynamic range	Up to 134 dB SPL
Gain	1, 2, 4, 8, 12
Wind shield	Density 60 ppi, 24 mm hemisphere, detachable



