



# MeduzaX

Tactical Optical Drone Detection System



## Ultimate C-UAV Solution for Unmatched Security

Advanced Drone Detection and Classification with Dual Imaging Technology

Our state-of-the-art C-UAV solution combines Thermal and VIS imaging for superior drone detection and classification, tailored specifically for tactical units, VIP protection, and critical asset security. Ensure unparalleled safety and security with our cutting-edge technology.

## Autonomous Precision in Threat Detection

No Man in the Loop

Our advanced system autonomously detects and classifies vertical aerial threats using cutting-edge AI technology, meticulously trained on our extensive proprietary database. Our solution ensures seamless operation even in the most challenging conditions with a 97% positive detection (PD) and exceptionally low False Alarm Rates (FAR).



## Field Proven - Combined with Various Mitigation Measures



Man-Portable-  
**12 kg only**



**Panoramic View**



Dedicates C2I For  
Easy Integration



Less than 10min Assembly  
for **Rapid Deployment**



**Passive System-**  
No Radiation or Emission



**24 Hours Battery**

## Advantages

### Fast Scanning |

Covers 360° in seconds. Rotated by a unique mirror technique

### Edge Computing |

Requires minimal pixels for detection. Delivers precise results with minimal FAR

### Cost Effective |

Designed for easy field maintenance during tactical operations

### Field-Tested |

Proven AI technology with various mitigations measures

## Specifications

MeduzaX

Unit Weight	12 kg (26.46bs)
User Feedback	Visual, Audible
Dimensions	30 x 50 x 30 cm (11.8" x 19.7" x 11.8") (excluding Tripod)

### Battery & Power

Rechargeable lithium-Ion battery, quick release and reload battery

Common NATO-standard military grade battery

Main Battery	40Ah @ 25.2V, Lithium-Ion Polymer
Battery Weight	1.2 kg (2.6lbs)
Battery Dimensions	>71mm x 41mm x 86mm (2.8" x 1.6" x 3.4")
Operating Time	24 Hours
Operating temperature	-10°C - +40°C

### Sensors

Sensor Technology	Cooled MWIR
Pixel Size	10µm
Array Format	1280X1024
Effective Drone Rate	60Hz
Target Recognition	Drone and Fixed Wings



# Strategic Precision in Tactical Hands.

