

# X-MADIS<sup>®</sup> OTM

## On-the-Move C-UAS Integrated System



### Full Spectrum C-UAS

The eXpeditionary Mobile Air Defense Integrated System (X-MADIS) On-the-Move (OTM) is a full-spectrum anti-drone capability that detects, locates, tracks, identifies, and defeats unmanned aerial system (UAS) and near-peer air threats. The system combines an active electronically scanned array (AESA) radar system, a gyro-stabilized imaging system, a passive radio frequency (RF) sensor, and an electronic warfare (EW) jamming system to produce a rapid kill chain. All components are seamlessly integrated using CUAS Suite, an innovative, user-friendly command and control (C2) interface optimized for decisive action against drone hazards and threats. The system is ruggedized to withstand extreme environments and mounted to a commercial vehicle with modified off-road suspension for full operation on-the-move at highway speeds. The X-MADIS OTM system is operationally deployed, and trusted to protect military resources, key personnel, civilians, and critical infrastructure around the globe.

For more information, contact:

[xmadis@caci.com](mailto:xmadis@caci.com)  
(406) 333-5010

For more information about our expertise and technology, visit:

[www.caci.com](http://www.caci.com)

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## Features

- AESA radar system
- EO/IR imaging system
- Passive RF sensor
- EW jammer
- CUAS Suite C2 interface

## Benefits

- Ruggedized C-UAS system optimized for decisive action against drone threats
- Mounted to a commercial vehicle with off-road suspension for full operation at highway speeds
- Ideal for defending military resources, personnel, civilians, and infrastructure from UAS

## Technical Specifications

Height	10 ft 8 in (3.2 m)
Diameter	6 ft 10 in (2.1 m)
Length	17 ft (5.2 m)
Weight (including vehicle)	6,030 lbs (2,735 kg)
Maximum Speed while Detecting	85 mph (137 kph)
Radar Type	Active electronically scanned array (AESA)
Imaging System	CM262
Optical Sensors	Electro-optical (EO) Medium-wave infrared (MWIR) Short-wave infrared (SWIR) Laser range finder (LRF)
EO Horizontal Field of View	8° to 1.1°
MWIR Horizontal Field of View	46.2° to 2.4°
SWIR Horizontal Field of View	13.7° to 1.4°
Laser Class	Class 1
Electronic Warfare	*Details available upon request
Power Requirements*	110-120 VAC (2 x 30 A circuits) or 220-240 VAC (2 x 15 A circuits)
Operating Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Environmental Rating	IP66

\*Standard configuration is equipped with both generator and shore power options



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### Worldwide Headquarters

12021 Sunset Hills Road, Reston, VA 20190  
703-841-7800

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