



MeduzaX

Optical precision. Rapid response. Total control.

EMPOWERING YOUR FORCES

WWW.THIRDEYESYSTEMS.COM



WHO WE ARE

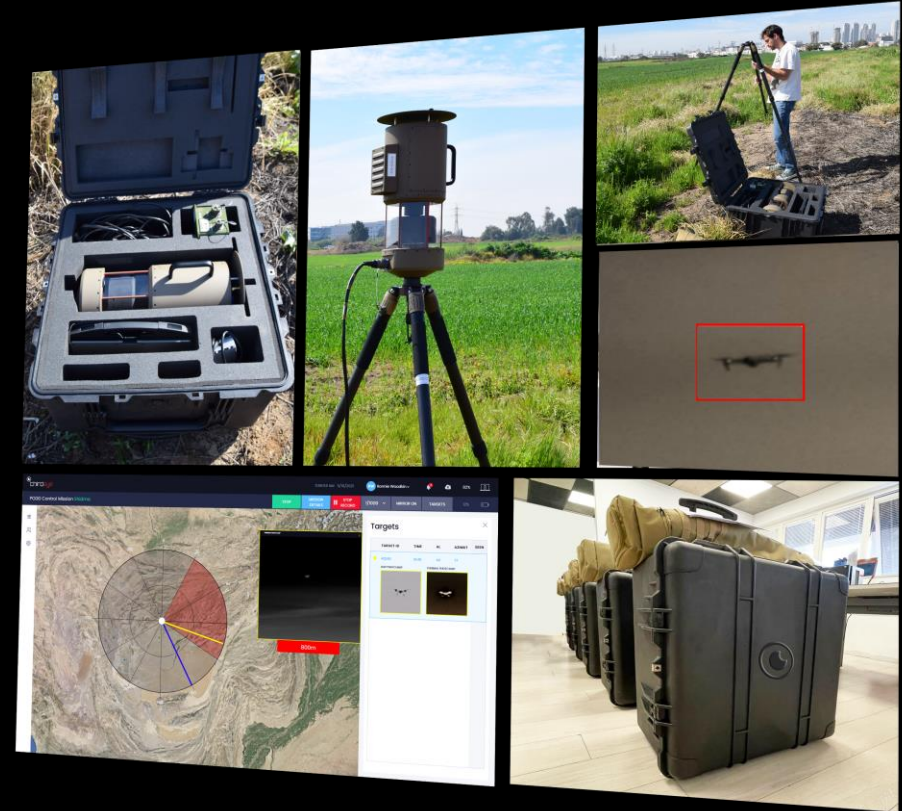
ThirdEye Systems is a leading company specializing in the development of advanced solutions for security, HLS & defense sector. The company focuses on cutting-edge AI for EO\IR systems, including optical detection and tracking for C-UAV, and advanced tools for protecting strategic assets.

OUR VALUES:

- Technological Innovation
- Precision and High Performance
- Commitment to Quality & Customer Service
- Adapting to changes in the future battlefield

FIELDS OF ACTIVITY:

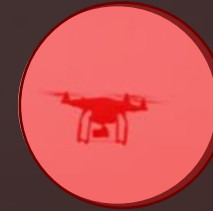
- National Security and Border Protection
- Counter-Drone Defense
- Tactical Protection
- Aerial Surveillance





Drone Threats- UAS and Aerial Hazards

In recent years, there has been a significant rise in the use of drones for terrorism, criminal activities and espionage purposes. Rapid technological advancements in drone capabilities enable the use of autonomous, hard-to-detect drones, making them more dangerous than ever. Today, the drones threats it's the embodiment of the LIC in the modern era.



THREAT CHARACTERISTICS:

Silent and Autonomous:

Drones that operate independently and stealthily, making them difficult to detect or counter with traditional systems.

Long Range:

Ability to penetrate deep into enemy territory and strike strategic target rapidly.

Payload Capacity:

Drones capable of carrying dangerous payloads, posing a threat to critical infrastructure and civilian populations.

Undetectable

Encrypted Communication Drones
Fiber Optic Drones (No RF Emissions)
Low Signature Explosive Drones



Challenges in Drone Detection and Mitigation



Detection Challenges:

Small, elusive drones that are difficult to detect with traditional radar systems. Autonomous operation without RF or GPS signals makes detection through conventional technologies challenging.



Mitigation Challenges:

Requires rapid and precise response to neutralize the drone before it breaches sensitive areas. High risk of damage to strategic assets if not addressed in time.



Environmental Challenges:

Operating in complex terrain: urban areas, mountainous borders, and critical infrastructure.

MeduzaX

Drone detection Optical Radar

- **Rapid deployment & fast assembly**
- **Tactical & lightweight**
- **precise recognition by AI edge computing**
- **Advanced fusion Optical Technology**
- **Passive without radiation**





Challenges in Drone Detection and Mitigation

»»»»»»»» Solutions

Real-Time Response:

A fast and reliable system enabling action before the threat materializes.

Advanced Optical

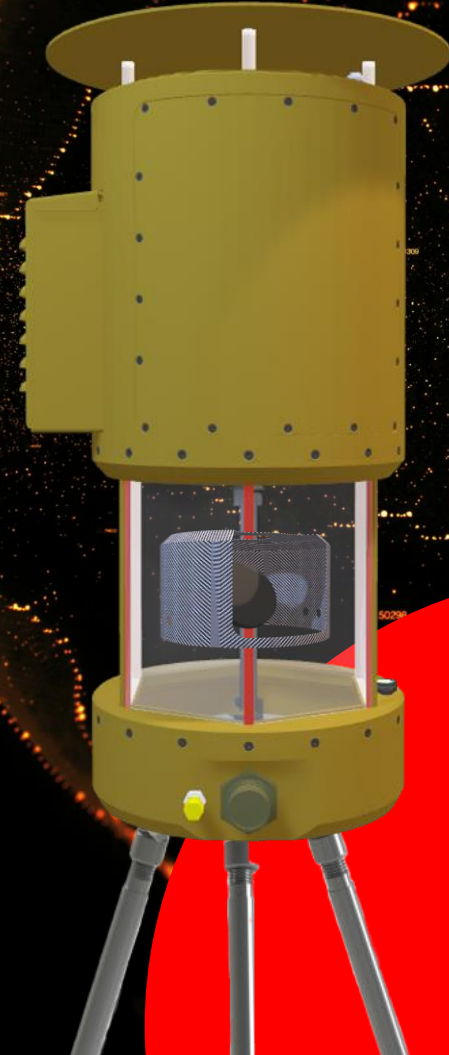
Precision: Detects small and autonomous drones at long ranges.

Operating in Complex

Environments: A tailored solution for several vectors of MO.

Cost-Efficiency:

A modular solution combining precision with high cost-effectiveness.





Technological Advantages



Edge Computing

By analyzing raw data in real time, we ensure maximum recognition with unparalleled positive detection rates of >94% with minimal FAR <1% without latency

Fusion & Data

VIS and thermal fusion that considered and analyze the meta-data in real time




Unique Algorithms

Leveraging our algorithm based on auto target recognition (ATR) and utilizing our extensive private database of 5.5 million synchronized segmented frames, we ensure precise and efficient detection

Originally Designed for Rapid Process

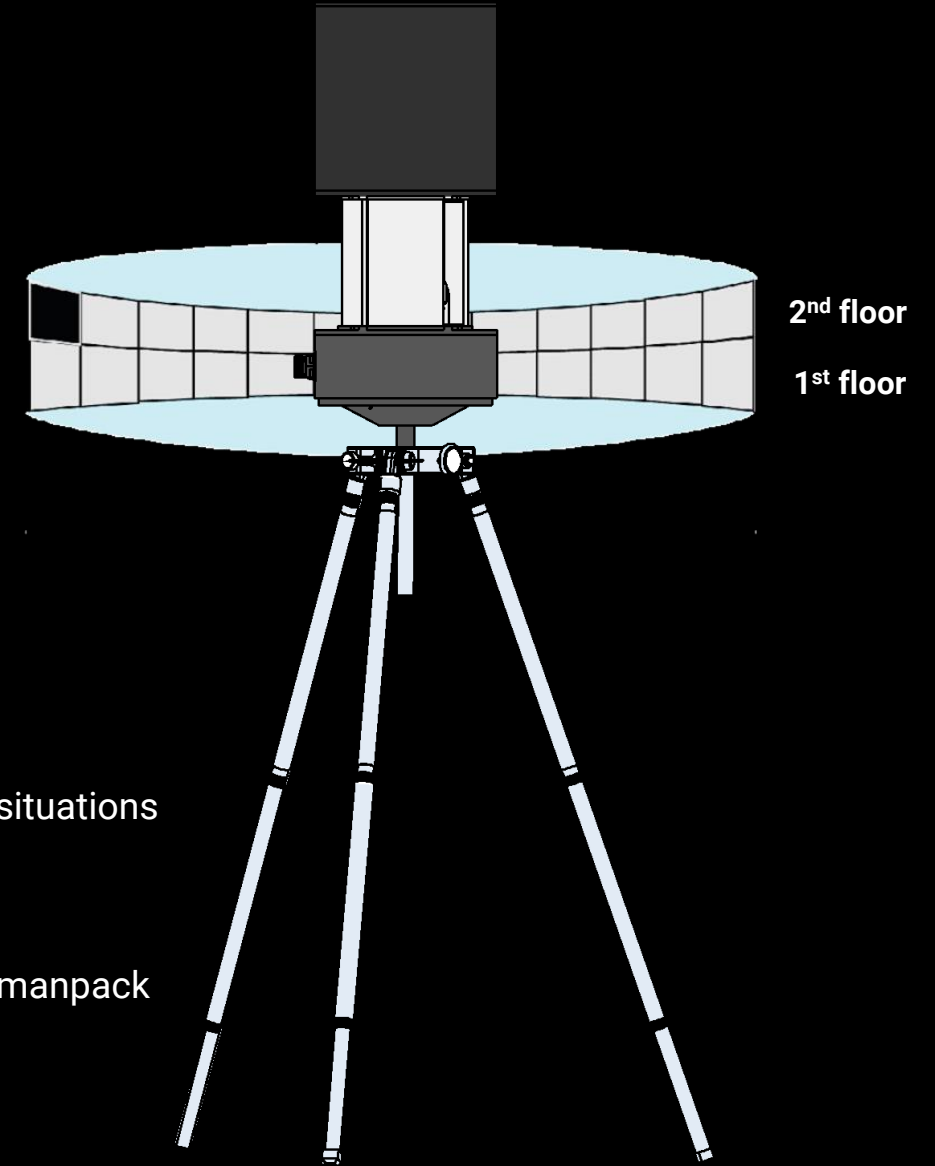
SW and HW were tailored from "day one" in order to provide zero latency and maximal accuracy with low power consumption





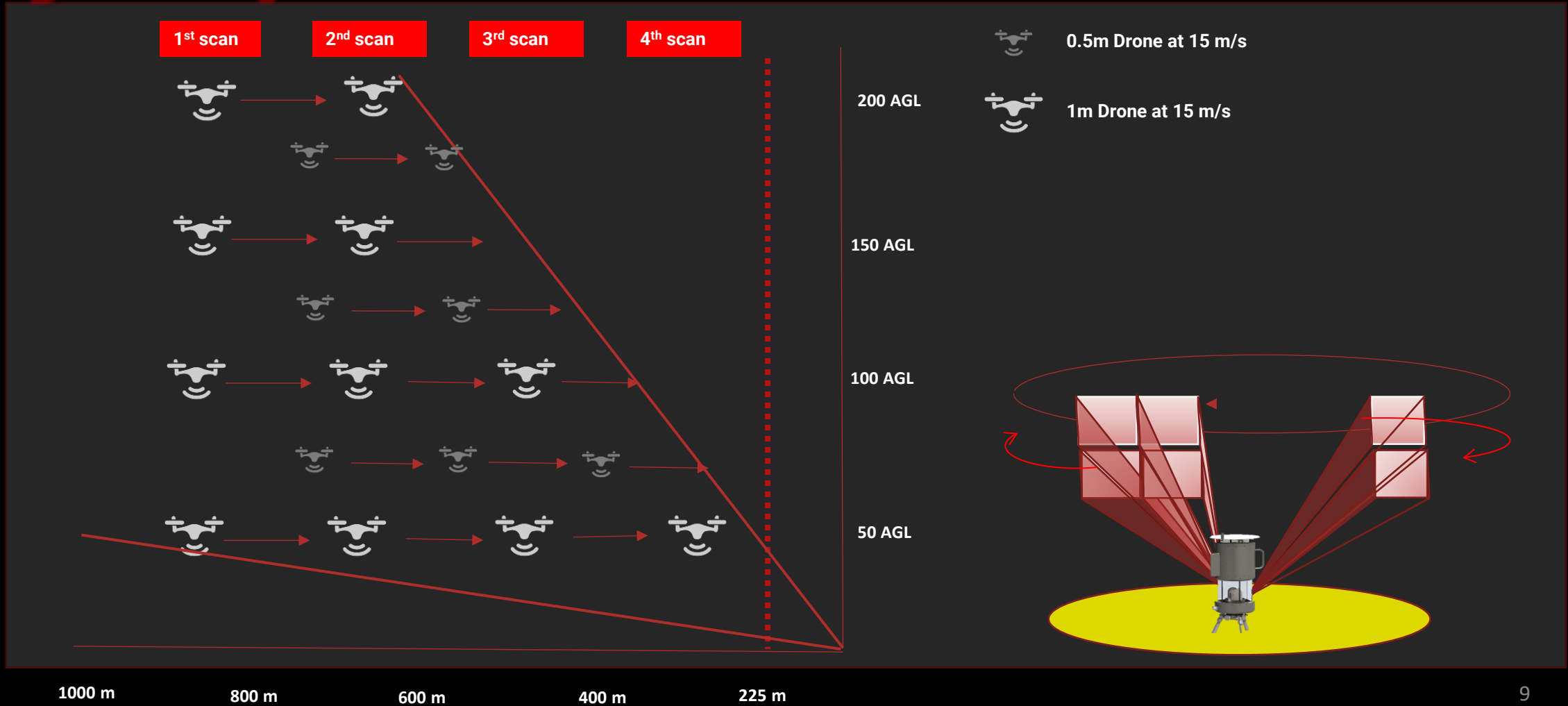
System Overview

- Dual channel – VIS + MWIR with a unique mirror mechanism
- Portable (12kg)
- Step & Stare mirror mechanism
- Quick deployment (10-15 minutes max.)
- 24/7 , all weather durability (IP 67)
- Standard power supply, or battery pack power supply (12 hours)
- Intuitive user interface, designed with input from experienced users in practical situations
- TRL 9
- All components fit in single rigid case – suitable for vehicle transportation and manpack





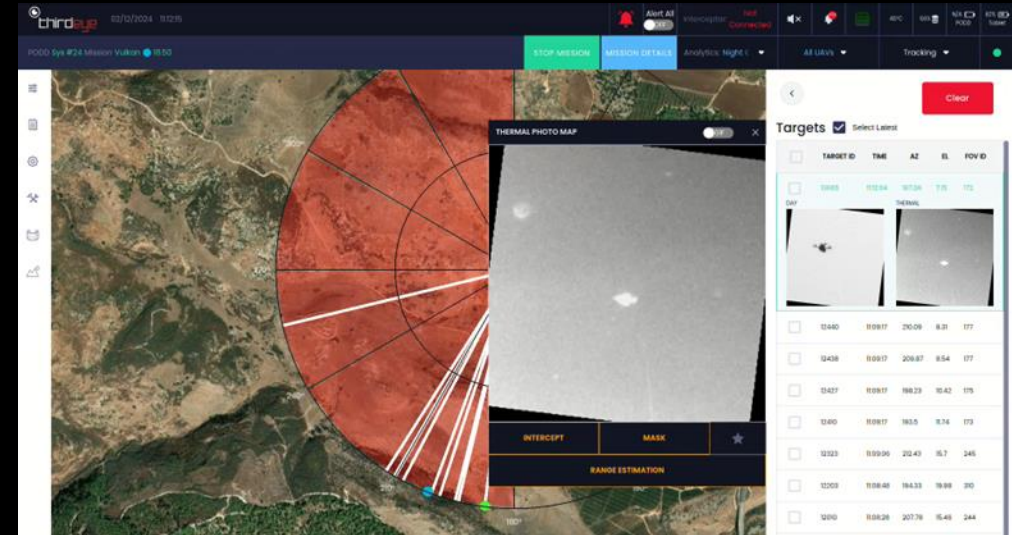
System Operational Overview





MeduzaX Tactical C2

A tactical command and control system enabling real-time management, coordination, and monitoring of battlefield operations, ensuring full control and rapid, precise decision-making. Easy to use, situational awareness enhancement and reduce cognitive pressure





Technological Advantages

Immediate Orientation

Maximize Situational Awareness

Prioritize Data





Certification

סיבט בלז סיבט

משרד הביטחון
מדינת ישראל
האגף לייצוא ביטחוני

State of Israel Ministry of Defense
Defense Export & Defense Cooperation

LK3012242109
Date: December 31st, 2024

Major General [REDACTED]
Director Military Intelligence
KDF
Kenya

Dear General,

Re: ThirdEye Systems

We hereby confirm that ThirdEye Systems Ltd. is a developer, manufacturer, and supplier of advanced AI video analytics payloads for defense and HLS applications, among them Meduza-X System, a C-UAV system, for the Israeli Defense Forces (IDF) and for other Armed Forces worldwide.

We hereby confirm that the system is operational and currently active in the IDF.

Sincerely,

Brig. Gen. (Ret.) Yair Kulas

Director



MeduzaX

Proven technology for staying ahead of evolving threats.



MEDUZA X
compact form, quick deployment



Vectors of Use



Stand Alone

Jail, Civil



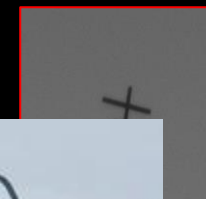
Fast See & Shoot

Tactical needs



Compensation and Logics

comprehensive System





Implementation and Effectiveness of the Solution

High Integration Capability

Simple and Efficient Operation

Proven Success in Real-World battle fields

Future Adaptability



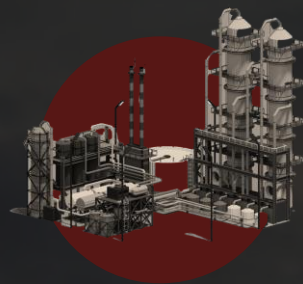
Mitigation

- GNSS Spoofer
- Jammer- directional and omni
- Kinetic
- Drone to Drone
- RF Investigating mode
- Radar proximity compensation





Relevant Sectors for MeduzaX



01

Critical Infrastructure

Protection for power plants, airports, and sensitive facilities.



02

Borders & Military Sites

Drone detection in complex environments, such as borders and military bases.



03

Public Safety

Safeguarding airports, train stations, and government buildings.



Relevant Sectors for MeduzaX



04

Government & Military

Organizations Protecting critical assets
like military bases and radar stations.



06

Maritime Security

Detecting aerial threats in naval environments.



Competitive Analysis

Features	Parameters	MeduzaX Optical scanner	RADAR	RF Detectors	Standard EO/IR
SWAP	Man Portable	V	-	-	V
Survivability	Emission level	No Emission V	-	-	No Emission V
FOV	Degrees	V	V	-	-
Detection Effectiveness	Hovering Low RCS No RF FOV	V	-	-	-
Respond time	Visual Verification	AI Based Immediate V	-	V	V
Situational Awareness	Constant Searching	V	V	-	-



Recognition Ranges





MeduzaX

Thank you!

EMPOWERING YOUR FORCES

WWW.THIRDEYESYSTEMS.COM