



Tactical
Technology

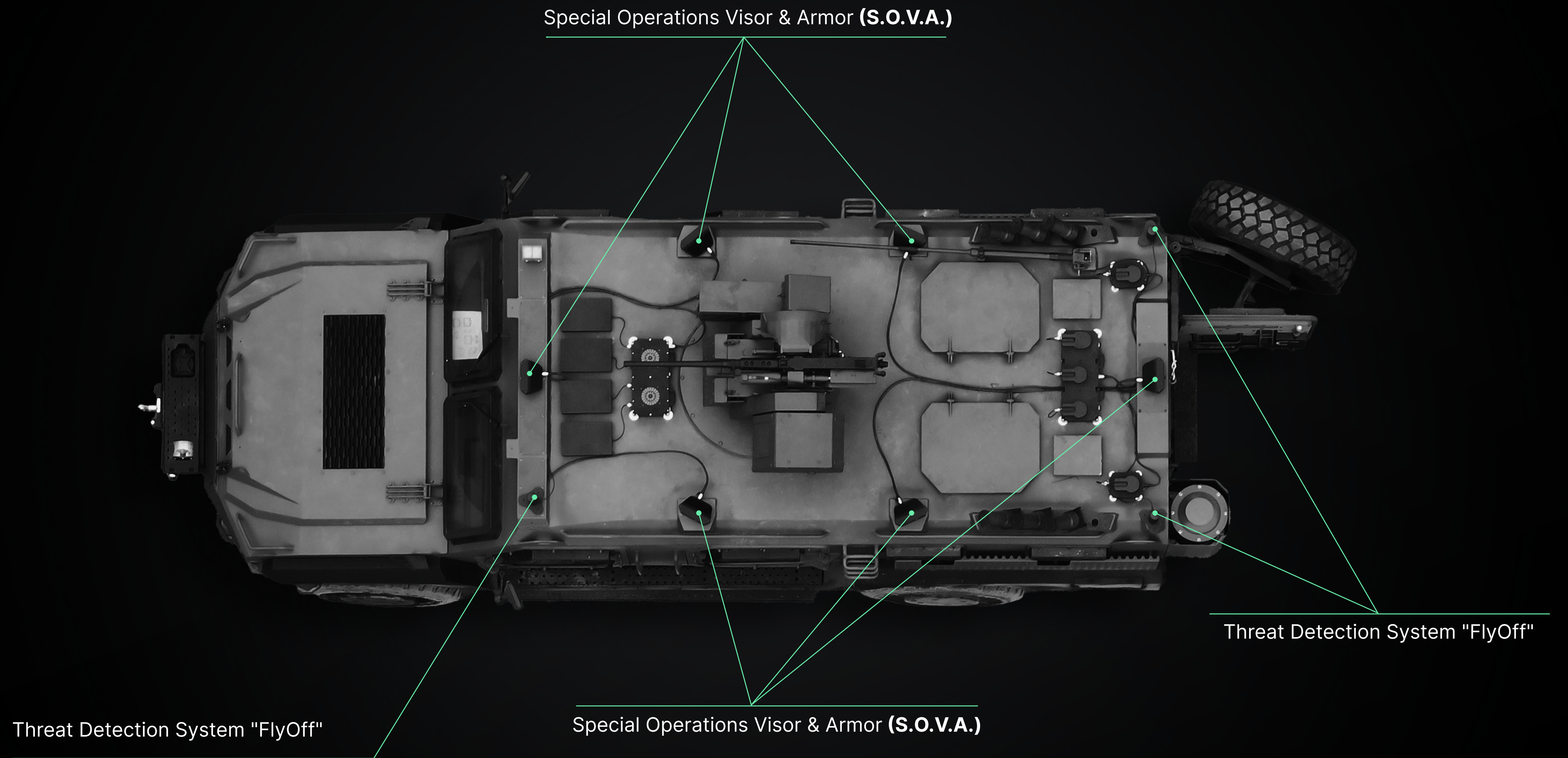
MADE IN UKRAINE

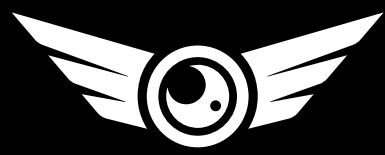


TACTICAL TECHNOLOGY

Innovations that ensure the safety and effectiveness of tactical groups with the help of technology: Electronic warfare, UAVs and FPV drones.

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**Tactical
Technology**



ABOUT COMPANY

People with an engineering mindset, combat experience and an understanding of the importance of advanced technologies in modern warfare. Our team consists of leading engineers in the modern defense industry and works closely with many military units.

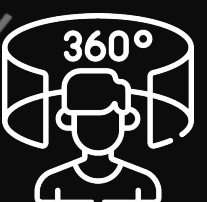
We have the ability to respond quickly to technological changes in the combat environment and thereby promptly offer solutions that ensure high combat capability and safety of personnel in the conditions of performing assigned tasks.



DETECTION SYSTEM “S.O.V.A”

The "SOVA" system delivers 360° real-time visibility around armored vehicles, utilizing augmented reality and artificial intelligence technologies. It incorporates advanced laser warning capabilities, vital for detecting threats such as missiles, UAVs, and snipers during covert or remote attacks. By providing early alerts, the system allows timely defensive actions to minimize risks to personnel and equipment. It ensures rapid threat detection and enhanced crew situational awareness, enabling decisive action in critical missions.





INTERACTIVE 360° VISION

The system includes 12 high-tech chambers, including thermal imagers that provide both day and thermal vision



FPV DRONE DETECTION AND SUPPRESSION SYSTEM (RER)

Performs accurate and early detection of potential threats of FPV-punks and automatically activates a radio electronic struggle for neutralization of them



LASER DETECTORS

Automatically notify the laser guidance and direction of the threat around the operator in all planes, reducing the risk of damage

THREAT DETECTION

DETECTION SYSTEM
“S.O.V.A”

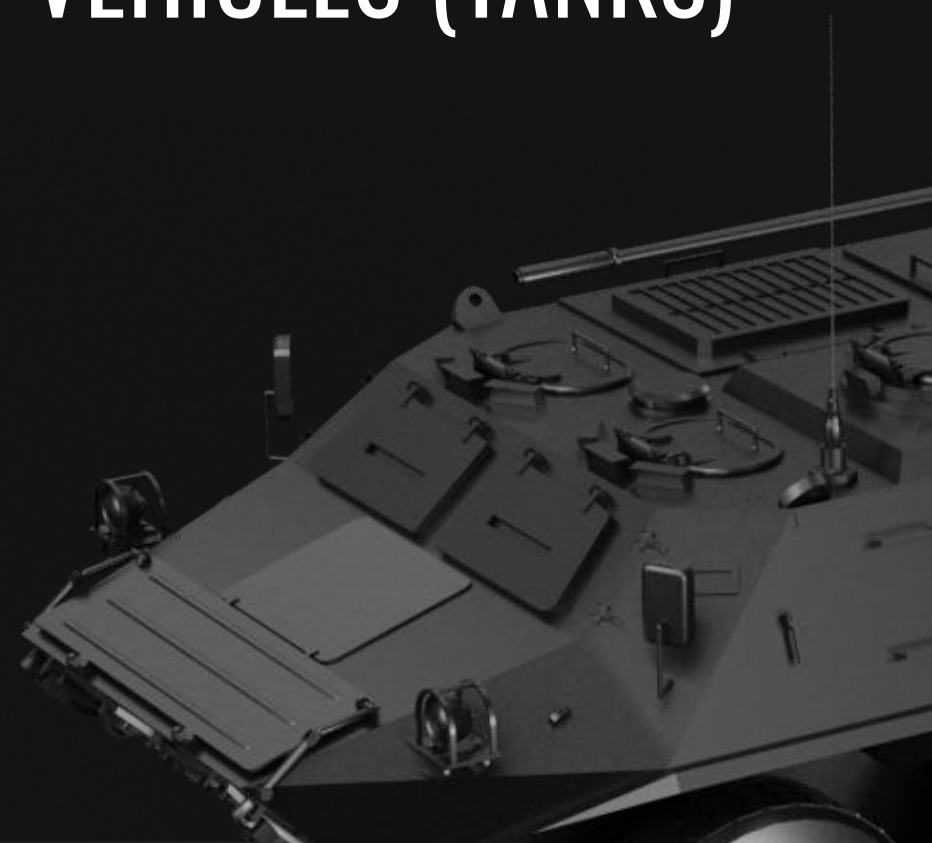


THREAT DETECTION

HUMAN



TRANSPORT
VEHICLES (TANKS)



UAVS



ANTI-TANK GUIDED
MISSILES (ATGM) AND
GRENADE LAUNCHERS



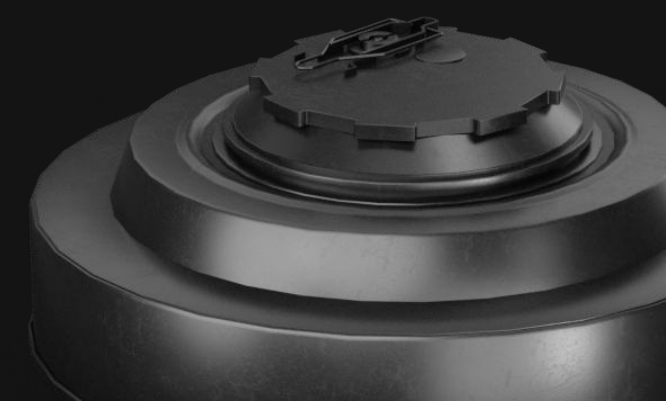
MISSELS



WEAPONS



ANTI-TANK MINES



ANTI-PERSONNEL
MINES



TECHNICAL SPECIFICATIONS

DAY VISION CAMERAS 6 units, Vis-NIR spectrum, 1 megapixel resolution	THERMAL IMAGING CAMERAS 6 units, 720-576 resolution	FPS 15 FRAMES PER SECOND	DETECTION ACCURACY over 80	TEMPERATURE RANGE OF CAMERA OPERATION from -40°C to +85°C
PROCESSOR TEMPERATURE RANGE over 80%	SYSTEM POWER CONSUMPTION up to 100 W	DATA RECOGNITION up to 150 ms	RESPONSE TIME max. 500 ms	CLASSIFICATION OF LASER THREATS Laser rangefinder (LDM) Laser targeting device (LTD) Laser guide beam (LGB)
RANGE OF VISIBILITY IN VERTICAL SECTION (-20 °) - (+70 °)	TOTAL AZIMUTHAL VIEWING ANGLE 90° / Unit	COMMUNICATION SYSTEM Canbus (J-1939)	PROTECTION AGAINST WATER AND DUST IP67	POSSIBILITY OF LASER DETECTION LOM (Band -I-III): %95 LID (Band I-II-IV): %95 LGB (Band II-IV): %99
DETECTION SENSITIVITY 10-20 (W/m2)	OPERATING TEMPERATURE -40°C / +60°C	STORAGE TEMPERATURE -55°C / +85°C	RESISTANCE TO SALT SPRAY 800 hours	



PURPOSE



RADIO MONITORING AND DIRECTION FINDING

For the radio emission source
from VRX used in FPV



PROCESSING AND RECORDING OF DIRECTION-FINDING DATA IN REAL-TIME MODE



CREATION OF A THREAT DETECTION MAP



ISSUANCE OF COMMANDS TO JAMMING DEVICES (EW) OF VARIOUS TYPES

FPV-TYPE THREAT DETECTION SYSTEM

"FLYOFF"



FPV-TYPE THREAT DETECTION SYSTEM

"FLYOFF"

TECHNICAL SPECIFICATIONS

DAY VISION CAMERAS

**6 units, 1 MP resolution,
supporting Vis-NIR**

NIGHT VISION CAMERAS

**6 units, thermal imaging,
resolution 720×576 pixels**

FREQUENCY SCANNING RANGE

1000–6000 MHz

DIRECTION-FINDING ACCURACY IN
THE OPERATING FREQUENCY RANGE
<50°

ARTIFICIAL INTELLIGENCE

15 frames per second

SYSTEM POWER CONSUMPTION

100 W

SCANNING SPEED

> 0.5 GHz/s

DETECTION RANGE

At least 1.5 km

OBJECT DETECTION RANGE

**Human: up to 60 m in visible spectrum,
up to 100 m in thermal imaging
Vehicle: up to 100 m in visible spectrum,
up to 300 m in thermal imaging
Weapon: up to 30 m**

OBJECT DETECTION RANGE

**Grenades: up to 3 m
Anti-tank mines: up to 20 m
Anti-personnel mines: up to 5 m**

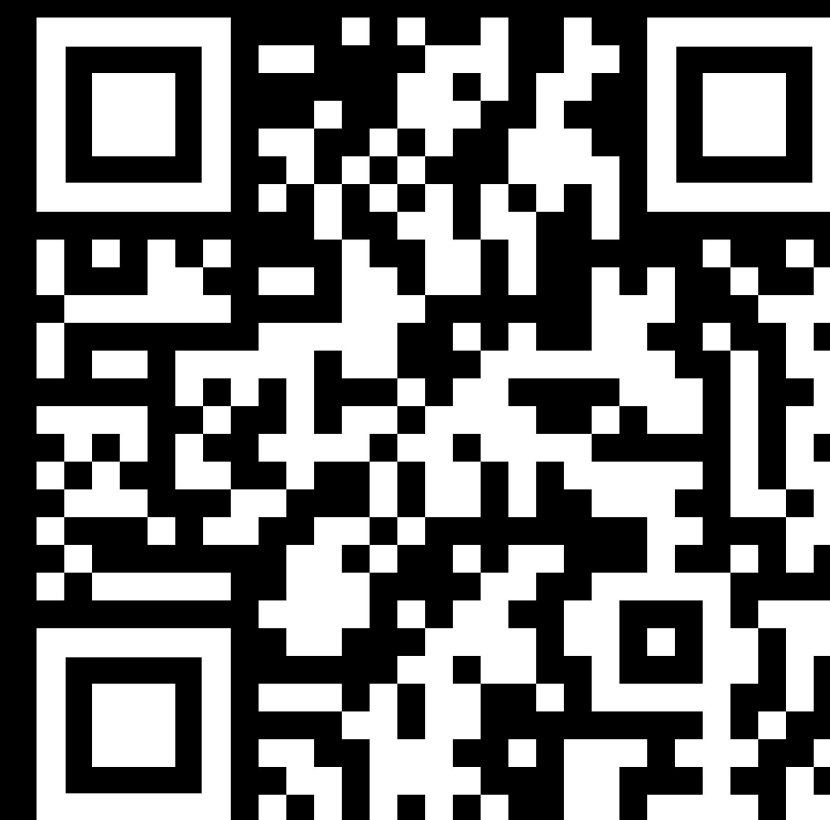
OPERATING TEMPERATURES

**For the antenna-feeder system:
-10°C to +50°C
For the data processing and
transmission unit:
-10°C to +40°C**

MAXIMUM TEMPERATURE

**For the antenna-feeder system:
-30°C to +55°C
For the data processing and
transmission unit:
-30°C to +55°C**





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UKRAINE, KYIV

