



Manufacturer of modern MilTech solutions.

**GLOBAL MARK**

[www.globalmark.com.ua](http://www.globalmark.com.ua)



**Ukrainian Experience  
Proven by Reality**



# Ukrainian experience tested and validated in real battlefield conditions.

## Global Mark

- Reliable, in-house, diversified manufacturing (multiple production locations)
- In-house team of engineers and military personnel with combat experience
- Proprietary research and development center (R&D)
- Global Mark is a trusted supplier to clients in NATO countries and supports 192 military units within the Defense Forces of Ukraine, including the Armed Forces of Ukraine.
- The company's products are battle-tested
- All products are codified according to NATO standards and have test certificates
- Each product can be customized to meet the requirements of a specific mission
- Certified in accordance with ISO 9001 and ISO/IEC 27001:2022

## Our Products

- Electronic Warfare (EW) systems for tactical and operational levels
- FPV drones with automatic target guidance
- FPV drones with fiber-optic control links
- Ground Control Stations (GCS) for FPV drones and UAVs
- Medium- and long-range UAVs
- Unmanned Ground Robotic Systems (UGRS)
- Explosive Ordnance Disposal (EOD) operator services (humanitarian demining)

# PHOTON Autoguidance Module



## Physical Specifications

- **Dimensions:** 95 mm × 65 mm × 20 mm
- **Weight:** 0.15 kg
- **Compatible with both analog and digital signals**
- **Can be integrated with any UAV and FPV platforms**
- **Operating temperature range:** -30 °C to +50 °C

## Operational Capabilities

- Ground targets
- Aerial targets
- Maritime targets

# PHOTON FPV DRONE With Autoguidance System

This UAV has received numerous positive reviews and is considered one of the best solutions on the Ukrainian market. However, before procurement, it is important to understand its key characteristics and advantages. These drones are known for their resistance to interference, ability to operate in diverse conditions, and reliability proven in real combat situations.

NATO Stock Number (NSN): 1550-61-018-4780



## Specifications

- **Frame size:** from 7" to 15"
- **Tactical operational range** (*in wind gusts*): up to 50 km
- **Maximum flight endurance with payload:** up to 38 minutes (*depending on battery configuration*)
- **Maximum flight altitude:** 1000 m
- **Maximum flight speed:** up to 140 km/h
- **Integrated electro-optical reconnaissance systems**
- **Detection and identification range of typical targets via video camera:** up to 500 m
- **Daylight camera**
- **Night vision camera**

## Optional fit

- Initiation board (impact or inertial type)

## PHOTON FPV Drone

A key feature of PHOTON FPV drones is intuitive control via specialized FPV goggles, providing the operator with a full immersive "presence" effect.

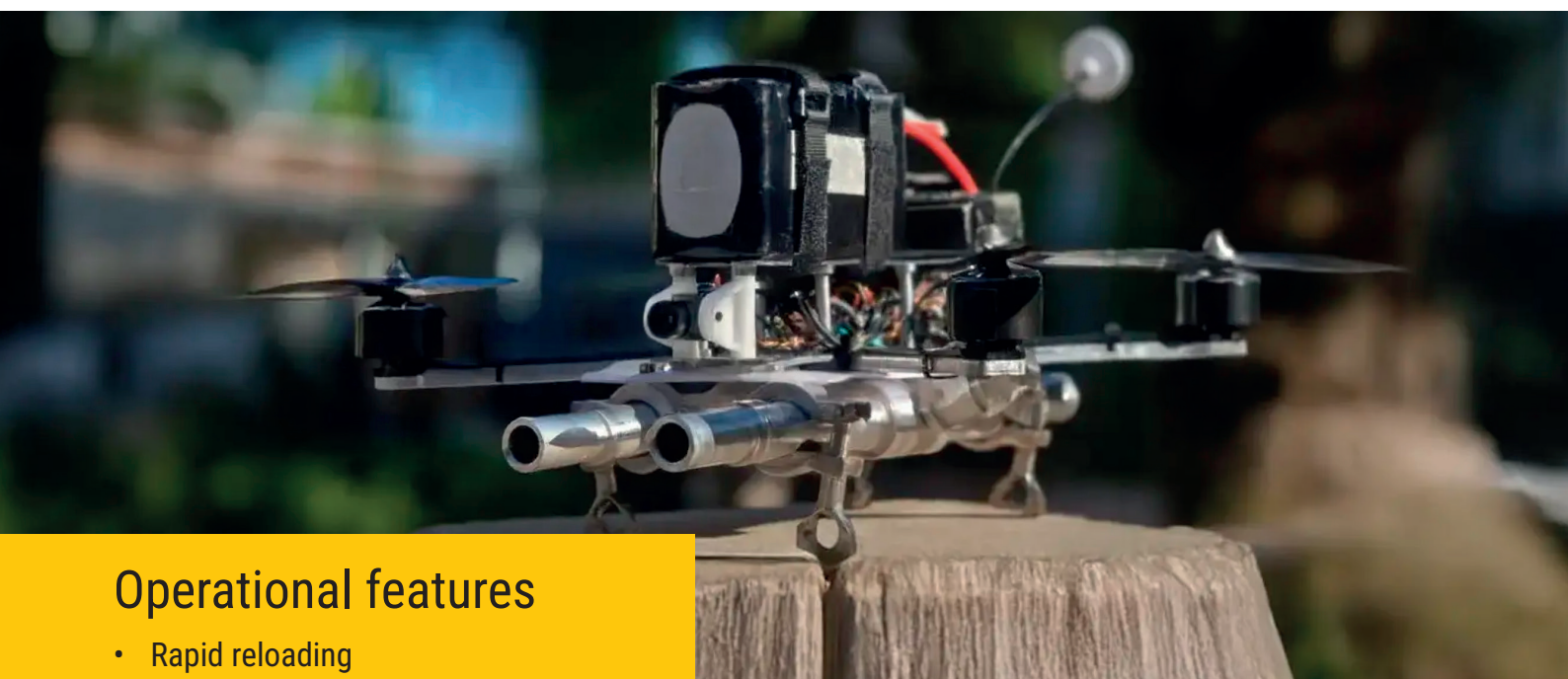
The PHOTON series represents a modular unmanned aerial system adaptable to a wide range of missions. The 15-inch FPV drones have become the gold standard of the lineup, combining speed, maneuverability, and payload capacity. However, the manufacturer can develop customized configurations tailored to specific operational requirements.

Currently the company produces drones with frame sizes ranging from 7 to 15 inches, which can be equipped with one of three camera types. The platform can also be enhanced with a fiber-optic control cable or a target acquisition and autoguidance/terminal guidance to ensure mission completion in the event of operator signal loss.

# KNOCK FPV DRONE

## Equipped with a Shotgun

The **FPV KNOCK** is equipped with a **titanium shotgun** specially designed for the effective neutralization of hostile **MAVIC-type drones**.



### Operational features

- Rapid reloading
- Low cost per shot
- Automatic target acquisition, tracking and engagement
- A single shot uses two cartridges

### Specifications

- **Frame size:** 10"
- **Tactical operational range (in wind gusts):** up to 18 km
- **Maximum flight endurance with payload:** up to 20 minutes
- **Maximum flight altitude:** 2500 m
- **Maximum flight speed:** up to 130 km/h
- **Integrated electro-optical reconnaissance systems**
- **Detection and identification range of typical targets via video camera:** up to 500 m
- **Available in 2-, 3-, 5-, and 6-barrel configurations.**

### Advantages of FPV KNOCK

A robust construction made of titanium and aluminum ensures high durability and long service life. High accuracy and rapid response enable the drone to effectively neutralize hostile UAVs in real time. Cost-efficient ammunition usage makes the platform suitable for extended missions.

Automated target detection and engagement significantly reduce operator workload. Flexible combat configuration allows the system to be adapted to a wide range of operational scenarios.

Compatibility with modern communication systems, advanced optics, stable video transmission, and high autonomy further expand the drone's functional capabilities. Integration with electronic warfare (EW) systems enhances operational effectiveness in complex and contested environments.

# VORTEX FPV DRONE With Fiber-Optic Control

In order to protect personnel while enabling precise engagement of enemy targets, Global Mark has developed its own unique fiber-optic FPV drone. This platform is highly maneuverable and fast, allowing for pinpoint-precision strikes.

In Ukraine, the VORTEX system is actively used by the Ukrainian Defense Forces, confirming its effectiveness in real combat conditions.

NATO Stock Number (NSN): 1550-61-018-8239



## Specifications

- **Frame size:** from 10" – 22"
- **Tactical operational range** (*in wind gusts*): up to 60 km
- **Maximum flight endurance with payload:** up to 52 min (*depending on battery configuration*)
- **Maximum flight altitude:** 500 m
- **Maximum flight speed:** up to 120 km/h
- **Integrated electro-optical reconnaissance systems**
- **Detection and identification range of typical targets via video camera:** up to 500 m

Additionally, VORTEX utilizes a fiber-optic video transmission channel and is equipped with guidance systems that further enhance targeting accuracy. Flexible configurations allow operators to adjust payload options and battery capacity according to specific mission requirements, while maintaining high maneuverability and speed.

The VORTEX FPV drone is equipped with a fiber-optic cable, ensuring stable control and uninterrupted video transmission even under conditions of active enemy electronic warfare (EW).

## KEY FEATURES

- **Stable signal enabled by fiber-optic control**
- **High maneuverability and precision target engagement**
- **Easy deployment and operation**
- **Effective protection against EW systems**

# PHOTON LTE System



Parameter	FPV	Fiber	PHOTON LTE
EW resistance	✗ Low	✓ High	! High (multi-channel)
Range	5–15 km	10–40 km	🔥 Up to 70 km
Mobility	✓ High	✗ Limited	🔥 Very high
Scalability	✗ Limited	✗ Complex	🔥 Effortless

## What the user gains

### Operator

- reliable, stable drone control
- uninterrupted live video feed
- zero signal dropouts

### Commander

- full centralized command
- seamless scalability
- complete traffic visibility & control







### Key Specifications

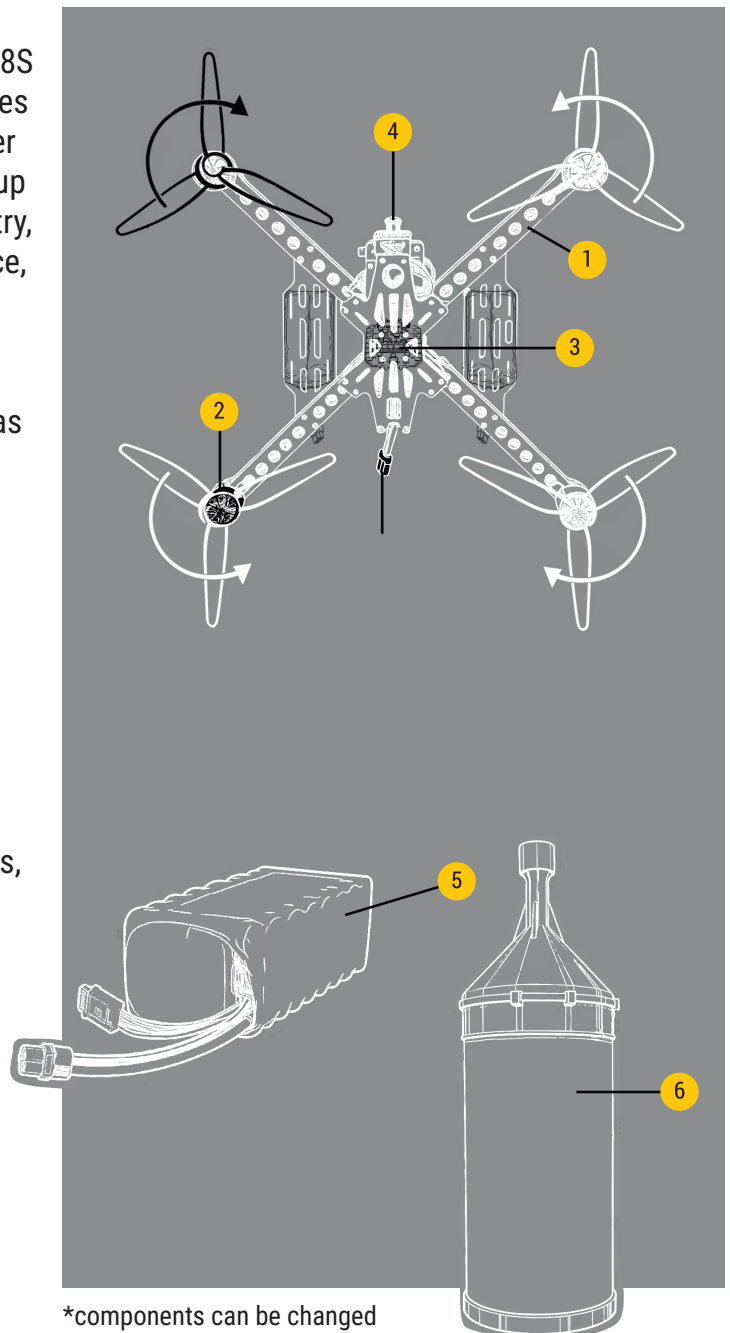
- **extended range** – up to 70 km
- **ultra-low latency** – ~50 ms
- resilient operation even with channel loss
- remote control from anywhere in the world

Not a single link – a networked system

# Main Components

We manufacture the following key components at our factory in Ukraine:

- 1**  **Frame** – carbon fiber or aluminum construction (10", 13", 15") that provides strength and low weight, minimal vibrations, and resistance to loads, ensuring flight stability and the achievement of the declared technical specifications.
- 2**  **Motors** – brushless motors that provide stable operation, high performance, reliability, and an optimal price-to-quality ratio.
- 3**  **Flight Controller / ESC – F722** (32-bit / 8-bit) with support for 6S–8S batteries and current up to 80A. Uses BLHeli\_32, which provides smoother operation, higher PWM frequency (up to 96 kHz), and built-in ESC telemetry, ensuring stable system performance, high efficiency, and flexibility for installing additional equipment.
- 4**  **Camera** – digital IP-IMX335 cameras that provide clear image quality, wide dynamic range, stable video transmission, low latency, and high resolution even in low-light conditions, enabling effective flight operations and work with additional equipment.
- 5**  **Battery** – in-house produced Li-Ion battery (6S3P 15000 mAh or 8S4P 20000 mAh) using high-current cells, ensuring long flight time, stable operation, and reliability during long-range missions and operation under maximum load.
- 6**  **Fiber optic reel** – up to 45 km, weighing up to 4 kg.



\*components can be changed

# VORTEX

## Ground Digital Station

### Specifications

<b>Operating range</b> (confirmed by testing):	60.0 km
<b>Operating time:</b>	600 minutes
<b>Deployment time:</b>	3 minutes
<b>Fiber optic diameter:</b>	0.25 mm
<b>Power supply:</b>	6S battery (LiPo)
<b>Monitor:</b>	15,6 LED monitor



### Key Features

- Video and control signal transmission via two separate UART channels (in accordance with the ISS-01 specification)
- Target acquisition directly from the ground control station
- Drone flight stabilization along preset directions
- Maintaining the target's course even in case of fiber-optic link loss
- Support for simultaneous use of **two cameras** (digital and thermal)
- High-quality display (dual screens when using two cameras) with clear visibility even in bright sunlight

### Ground Control Station Package Includes:

- Rugged transport case made of impact-resistant plastic
- 15.6" or 16" LED monitor with power-saving mode, adapted to the Armed Forces requirements
- Video recording device equipped with a 32 GB flash drive
- Battery charge status indicator
- 6S3P rechargeable battery
- XT-60 power output for connecting the main and an additional battery
- Set of elastic, frost-resistant cables for convenient pilot operation

# Unmanned Aerial Vehicle BLITZ-1

**Blitz-1** is a modern unmanned aerial vehicle that combines **reconnaissance, strike capability, and automatic guidance.**

Thanks to its high flight performance, ease of operation, and versatility, it is ideally suited for carrying out **tactical missions in complex combat environments.**



It has three operational configurations:

1. **Strike unmanned aerial vehicle**
2. **OBU "One Button Use"** – a UAV with autopilot and automatic target tracking (designed for untrained personnel)
3. **Tactical reconnaissance unmanned aerial vehicle**

**Takeoff weight:** 6-7 kg  
**Speed:** 90-160 km/h  
*(depending on the modification)*  
**Flight time:** 30-45 min  
*(depending on the modification)*

**Crew**  
up to 3 people



## MAIN CHARACTERISTICS

Short and lightweight takeoff from unprepared ground surfaces  
Eligible for hand-launch

	Max range km	Max height m	Flight time	Payload kg	Takeoff weight kg	Wingspan	Length
<b>Blitz 1</b> (1 electric engine)	80	3 000	60	8	20	2 000	1 200
<b>Blitz 1.1</b> (1 electric engine)	70	3 000	45	0,6	6	1 502	1 101
<b>Blitz 1.2</b> (2 electric engines) Single-fuselage	80	3 000	60	8	22	2 000	1 200

# Unmanned Aerial Vehicle BLITZ-2

**Blitz-2** is an advanced next-generation unmanned aerial vehicle designed to perform a wide range of combat missions. It combines **tactical reconnaissance, precision strike capability, and automatic guidance**, ensuring **high operational effectiveness even in complex and challenging conditions**.



It has two operational configurations:

1. **Strike unmanned aerial vehicle**
2. **OBU "One Button Use"** – a UAV equipped with an autopilot and automatic target tracking (designed for untrained personnel)

**Takeoff weight:** 8-23 kg

**Speed:** 90-160 km/h  
*(depending on the modification)*

**Flight time:** 20-45 min  
*(depending on the modification)*

**Crew**

up to 3 people



## MAIN CHARACTERISTICS

Short and lightweight takeoff from unprepared ground surfaces

	Max range km	Max height m	Flight time	Payload kg	Takeoff weight kg	Wingspan	Length
<b>Blitz 2</b> (2 electric engines)	70	3 000	45	3	8	2 440	1 555
<b>Blitz 2.1</b> (2 electric engines)	80	3 000	45	5	18	3 061	1 949
<b>Blitz 2.2</b> (2 electric engines)	400	3 000	180	20	55	4 497	2 550

# VYHOR Jet Propelled Fixed-Wing Unmanned Aerial Vehicle

Vyhor is a fixed-wing UAV specifically designed for the interception of aerial targets moving at speeds of approximately 350 km/h.

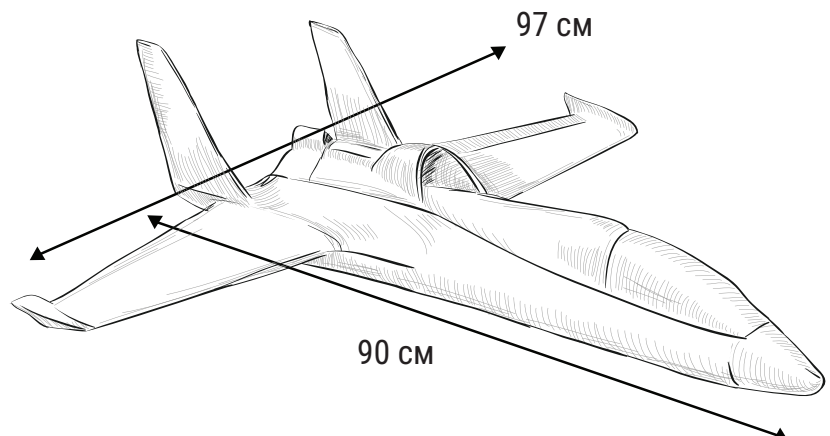


## Typical Targets:

- Fixed-wing UAVs
- Reconnaissance UAVs
- Cargo / bomber UAVs
- Other multirotor drones

## Tactical and Technical Specifications:

<b>Weight</b>	4 kg ( <i>without warhead</i> )
<b>Payload</b>	1 kg
<b>Speed</b>	350 km/h
<b>Flight time</b>	20 min



# HUNTER

## Interceptor Drone

Peregrine is specifically designed to destroy enemy reconnaissance, strike, loitering, and medium-altitude UAVs.

It is equipped with an analog daytime camera/ thermal camera, providing reliable visual target acquisition during daylight operations.

A controlled detonation of the warhead ensures guaranteed target neutralization without loss of accuracy.



### Specifications:

<b>Maximum flight range</b>	up to 25 km
<b>Maximum flight speed</b>	up to 315 km/h
<b>Compatible cameras</b>	daylight (visible spectrum), thermal imaging
<b>Airframe</b>	3D-printed frame made of lightweight plastic
<b>Warhead</b>	small high-explosive / contact warhead
<b>EW (Electronic Warfare) resistance</b>	Autoguidance system

# MAGURA UA Bomber Unmanned Aerial Vehicle

UAV designed to engage enemy personnel and armored targets both day and night. Since 2023, it has been effectively used by the Armed Forces of Ukraine against Russian aggression.

The system has successfully passed all electronic warfare (EW) tests and received NATO Stock Number NSN 1550-61-016-4321.

## Key Specifications

<b>Max takeoff weight</b>	35 kg
<b>Speed</b>	up to 62 km/h
<b>Flight time</b>	up to 60 min
<b>Tactical range</b>	up to 40 km
<b>Flight altitude</b>	up to 500 m
<b>Wind resistance</b>	up to 10 m/s
<b>Operating temperature</b>	-10°C to +40°C
<b>Payload system</b>	triple release, up to 14 kg
<b>Thermal camera</b>	640×512, 30 Hz



## Configuration

- Primary strike UAV
- Ground control station with Mission Planner software
- Unified antenna module
- 95 m communication cable, battery kits, and charger
- Protective transport case

## Control & Navigation

- FHSS communication link (500–1010 MHz)
- Secure GNSS module with anti-spoofing
- Backup navigation via analog (5.8 / 3.3 GHz)
- or digital (1.7–2.4 GHz) video

# ARES-1

## modern strike UAV

Precision strikes, cargo delivery, and remote mining – day or night, under challenging weather and EW conditions.



### Specifications

<b>Takeoff weight</b>	44 kg; platform weight (without battery): 14 kg.
<b>Payload capacity</b>	up to 18 kg (triple payload release system).
<b>Flight time</b>	up to 70 min (without payload).
<b>Tactical range</b>	up to 40 km; maximum flight altitude: 700 m.
<b>Speed</b>	up to 62 km/h; wind resistance: up to 8 m/s.
<b>Operating temperature range</b>	-10°C to +40°C.
<b>Thermal camera</b>	640×512;
<b>Target detection range</b>	~400 m.
<b>Navigation</b>	GPS / GLONASS / GALILEO / BEIDOU.
<b>Communication frequencies</b>	telemetry/control 500–1010 MHz; video – analog 5.8 / 3.3 GHz or digital 1.7–2.4 GHz (optional).

### Highlights

- **Purpose:** strike & cargo missions, engagement of enemy personnel, vehicles, fortified positions; remote mining operations.
- **EW Resistant:** mission auto-recovery or return-to-base upon signal loss; azimuth-based
- navigation in no-GPS.
- **Control Modes:** manual/ semi-automatic/ fully automatic (mission execution by pre-set coordinates with optional intermediate stops).

# SCOUT

## Ground Robotic Complex



### Specifications

Dimensions (H/W/L)	310 × 684 × 795 mm
Empty weigh	54 kg
Speed (max / cruising)	15–18 km/h
Operational range	up to 50 km
Control radius	up to 20 km with standard control and video link
Dimensions	400 × 450 × 900 mm
Payload weight	40 kg on average
Battery	42 V, 60 Ah

### Operational applications:

- **Logistics:** delivery of ammunition, fuel, rations, and other equipment to forward positions
- **Reconnaissance:** conducting surveillance operations in hazardous areas
- **Engineering tasks:** mine clearance and demining operations

### LONG BATTERY LIFE

- The device can operate in standby mode for up to 2 days,
- and for up to 5 hours in active mode under field conditions.

# THERMITE Incendiary Munition



## An Effective Solution for High-Temperature Target Neutralization

The thermite incendiary munition is designed to generate an extremely high-temperature localized thermal effect for disabling material targets.

Its operating principle is based on a thermite reaction which, upon activation, produces temperatures exceeding 2000°C, ensuring intense thermal impact on the target.

### Key Advantages

- Extremely high combustion temperature
- Localized thermal effect
- Compatibility with UAV platforms
- Compact form factor
- Reliable initiation system

### Areas of Application

- Disabling military equipment
- Neutralizing material assets
- Precision thermal targeting
- Integration within unmanned systems

### Design Features

- Optimized weight and dimensional configuration
- Heat-resistant casing
- Sealed construction
- Adaptability to various operational scenarios

### Operational Safety

- Use strictly in accordance with established regulations
- Transportation with safety mechanisms engaged
- Mandatory use of personal protective equipment
- Compliance with defined safety distances

# NEBOKRAI Electronic Warfare Anti-Drop System

NATO Stock Number (NSN): 5865-61-018-6676



## Specifications

<b>Operating frequency ranges</b>	2370–2520 MHz, 5100–5200 MHz, 5720–5880 MHz
<b>Total radiated power</b>	from 100 W to 150 W
<b>Continuous operating time</b>	not less than 60
<b>Power consumption</b>	from 300 W to 450 W
<b>Total weight</b>	not more than 26 kg
<b>Dimensions</b>	320 × 230 × 510 mm
<b>Operating temperature range</b>	from -20°C to +40°C
<b>Enclosure</b>	sealed, dustproof and moisture-resistant

The “NEBOKRAI Anti-Drop” device is a **next-generation mobile electronic warfare (EW) platform** designed for the **effective suppression of control signals within specified frequency bands**. It provides reliable protection against hostile UAV control and payload release systems, even in demanding field conditions.

## KEY ADVANTAGES

- **UAV suppression altitude:** not less than 250 m
- **Mobile, convenient, and easy to operate**
- **Suitable for protecting stationary positions and equipment**

# NEBOKRAI HAMMER Electronic Warfare System, Hammer

The “NEBOKRAI Hammer” is a highly effective electronic warfare (EW) system designed to **disrupt communication between UAVs and their control stations**. Thanks to its **wide operating frequency range and compact design**, actively used in Russian-ukrainian war.

NATO Stock Number (NSN): 5865-61-018-9269



## Specifications

<b>Operating frequency range</b>	2100–2700 MHz
<b>Total radiated power</b>	not less than 300 W
<b>Continuous operating time</b>	not less than 60 minutes
<b>Electronic warfare suppression range</b>	not less than 80 m
<b>Weight of a single jamming unit</b>	not more than 4 kg

## Purpose

**Disruption of communication between UAVs and the operator's control station**

**Neutralization of FPV drones:** blocking control channels to prevent damage to personnel and equipment

**Protection against reconnaissance and strike UAVs:** disrupting operator communication, forcing drones to lose control or crash

**Position protection:** creating a drone-free zone for shelters and open areas

**Tactical flexibility:** selective activation of frequency bands to protect friendly drones

# NEBOKRAI CAYMAN 2.0 Electronic Warfare System

The “NEBOKRAI Cayman 2.0” device is a **powerful, multi-component electronic warfare (EW) platform** specifically designed for the **effective suppression of FPV drone control signals**.

NATO Stock Number (NSN): 5865-61-018-9271



## Specifications

<b>Operating frequency range</b>	300–1040 MHz
<b>Total radiated power</b>	not less than 350 W
<b>Continuous operating time</b>	not less than 60 minutes
<b>Power consumption</b>	not more than 1050 W
<b>Takeoff weight</b>	not more than 87 kg
<b>Dimensions</b>	750 × 1600 × 530 mm
<b>Operating temperature range</b>	-20 °C to +40 °C
<b>Enclosure</b>	sealed, dustproof, and moisture-resistant

## KEY ADVANTAGES

- **Universal quick-mount roof system** for vehicles
- **Provides dense 360° protection** (full omnidirectional coverage)

## Advantages of the “NEBOKRAI Cayman 2.0”

The system delivers **omnidirectional protection**, creating a **dense electronic warfare suppression dome**. Its design enables **rapid installation on the roof of virtually any vehicle**—from light off-road vehicles to armored platforms.

This antenna configuration, including the use of pseudo-quadrifilar antennas, ensures maximum

effectiveness against FPV drones. The system’s modular architecture simplifies transportation and maintenance. NEBOKRAY Cayman also integrates easily with other electronic warfare assets, allowing the creation of comprehensive, layered protection

# SEA TRIDENT

Autonomous Long-Range Underwater Strike Platform  
Unmanned Underwater Vehicle (UUV)



## Main technical specifications:

<b>Dimension</b>	10,000 × 2,000 × 1,500 mm (with folded navigation mast)
<b>Diving depth</b>	<ul style="list-style-type: none"> <li>• Critical: 150 m</li> <li>• Maximum: 100 m</li> <li>• Operational: 60 m</li> </ul>
<b>Maximum range</b> (at 6 knots):	up to 2,000 NM
<b>Speed</b>	Maximum: 10 knots (18.5 km/h) Cruising: 6 knots (11 km/h)
<b>Payload capacity</b>	up to 1,000 kg
<b>Seakeeping</b> (subsurface movement at depths up to 5 m)	<b>Diving depth:</b> 100 m

**Sea Trident** is an autonomous underwater vehicle designed for long-range missions in maritime environments, capable of delivering payloads to strategic targets. The solution is tailored for modern asymmetric maritime operations.

## The Problem

- Difficulty engaging maritime targets
- High cost of traditional strike systems
- Limited access to strategic locations
- Growing need for covert autonomous solutions

## The Solution

Sea Trident provides:

- Long-range autonomous missions
- Low observability
- Adaptive navigation
- Efficient target engagement capability

## Advantages

- Full autonomy
- Low detectability
- High operational efficiency
- Scalable production
- Cost-effective compared to alternatives



**TRITON**  
— UNMANNED SURFACE VESSEL —



# Multifunctional boat TRITON

## Key technical specifications:

<b>Hull Material:</b>	High-Density Polyethylene (HDPE)
<b>Overall Length / Beam:</b>	7.949/ 2.545m
<b>Waterline Length:</b>	6.9 m
<b>Light Displacement (Unladen Weight):</b>	1,971kg
<b>Full Load Displacement:</b>	4,000kg
<b>Power Supply (Batteries):</b>	Up to 120 hours of autonomous operation
<b>Fuel Capacity:</b>	Gasoline—1,700 liters
<b>Engine:</b>	SuzukiDF200 AP -2 pcs (orSuzukiDF325 APX)
<b>Range:</b>	600 nautical miles
<b>Maximum Speed:</b>	40 knots
<b>Cruising Speed:</b>	22 knots

## Main equipment

- Remote launch and weapons control system for mounting 2 AIM-9 (R-73)-type guided missiles
- Remotely operated automatic turret for mounting a 12.7mm BROWNING-type machine gun with 500 rounds of ammunition, equipped with an optical module
- Gyrostabilization system for hull stability
- Inertial mission management system with automated return to designated coordinates
- Warhead weighing 7.5 kg (individual charges for assured hull neutralization) and warhead initiation system for platform self-destruction
- Anti-jamming Starlink communication system (primary)
- Anti-jamming backup communication system
- Protected remote control system for platform operation
- 360° day/night surveillance camera
- Fixed forward-looking day/night camera
- Ground-based stationary command and control station
- Transport cradle with protective cover
- The platform features a high level of adaptability for customer-requested modifications

# SWARM SYSTEM

## Autonomous Multi-Platform Coordination



### The swarm system

is an advanced control architecture that enables multiple unmanned platforms to operate as a single coordinated unit.

Each unit functions autonomously while continuously exchanging data with others, forming a distributed intelligent network.

### Core Principle

- Decentralized decision-making
- Real-time data exchange between units
- Adaptive behavior based on mission conditions
- Collective task execution

### Operational Advantages

- High resilience (no single point of failure)
- Scalability (from a few units to large formations)
- Increased mission efficiency
- Reduced detectability through distributed movement
- Rapid adaptation to changing environments

### Technology Stack

- AI-driven decision algorithms
- Secure communication network between units
- Autonomous navigation systems
- Sensor fusion and real-time analytics

### Key Capabilities

- Autonomous coordination of multiple platforms
- Dynamic route optimization
- Target distribution within the swarm
- Obstacle avoidance and adaptive navigation
- Mission continuity even with unit losses

### Applications

- Maritime operations
- Reconnaissance and surveillance
- Coordinated strike missions
- Area coverage and monitoring
- Infrastructure protection

# Humanitarian Demining



## We provide the following services:

- Processing of minefields to remove vegetation
- Non-technical survey
- Technical survey
- Manual demining
- Demining using machines and mechanical equipment
- Destruction of explosive ordnance
- Clearance of former combat areas
- Public awareness and education on risks related to mines and explosive remnants of war (ERW)



## DEMINEING OPERATIONS ARE CARRIED OUT USING MODERN UNMANNED TECHNOLOGIES

## List of Available Certifications:

1. Non-technical survey
2. Clearance of combat areas
3. Manual demining
4. Technical survey
5. Mine Risk Education (MRE) – public awareness on risks related to mines and explosive remnants of war (ERW)
6. Neutralization (destruction) of mines / explosive remnants of war
7. Demining using machines and mechanical equipment



# Humanitarian Demining



For effective technical survey prior to demining, we use the following technologies:

- **UAVs for surveying minefields and terrain mapping.**
- We possess the know-how and experience to perform **environmentally safe servicing of minefields** and repeated terrain surveys, including operations **under electronic warfare (EW) conditions.**
- **UAVs equipped with analytical systems and thermal imaging cameras.**
- Used with synchronized visual and thermal sensors to **detect ground anomalies and other explosive hazards** in mined areas. These systems are equipped with **Artificial Intelligence (AI) and Machine Learning**, with results geo-referenced to GPS coordinates.
- **UAVs with magnetometers.**
- Used for **magnetometric detection of explosive objects at depths of up to 50 cm**, with subsequent **mapping of magnetic anomalies linked to GPS coordinates.**

# Thanks



## They cooperate with us





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