

## MAGURA V5

### UNMANNED SURFACE VESSEL

The Maritime Autonomous Guard Unmanned Robotic Apparatus (MAGURA) V-type is next-generation multi-role unmanned surface vessel (USV) developed in Ukraine


The MAGURA V5 can perform multiple operations, such as surveillance, reconnaissance, patrol, search-and-rescue, mine warfare, naval fleet security, combat missions

The MAGURA V5 developed using advanced design techniques. The hydrodynamic hull and sleek profile of the V5 allow it to travel covertly with superior maneuverability

It is an affordable solution that is easy to launch from any remote location. The unmanned operation of the V5 minimizes manpower requirements for missions, reducing potential fatalities when operating in harsh conditions



 **LENGTH**  
5500 mm

 **DRAFT**  
400 mm


 **RANGE**  
450 nm

 **WIDTH**  
1500 mm

 **CRUISE SPEED**  
22 kn

 **LOAD CAPACITY**  
320 kg

 **HEIGHT ABOVE WATERLINE**  
500 mm

 **BURST SPEED**  
42 kn

 **CONNECTIVITY**  
mesh radio with  
air-based repeater  
or SatCom





## JET 8

### FPV DRONE

The JET 8 is an FPV drone on a carbon frame with an 8-inch size. Designed for cinematic aerial photography and for delivering cargo to hard-to-reach areas. Control is carried out by the operator using the ground station JET GS v1.3.

Equipped with an 8000 mAh battery and an initiator if needed



### MODIFICATIONS



## SABER



**OPERATING RANGE**  
up to 16 km



**SPEED**  
up to 100 km/h  
120 km/h – in attack mode



**TAKEOFF WEIGHT**  
5 kg



**MAX FLIGHT TIME**  
13 min



**MAX PAYLOAD**  
2 kg



**MAX FLIGHT ALTITUDE**  
1500 m



Equipped with light-sensitive camera with illumination for nighttime usage

## NIGHT SABER



**OPERATING RANGE**  
up to 16 km



**SPEED**  
up to 100 km/h  
120 km/h – in attack mode



**TAKEOFF WEIGHT**  
5 kg



**MAX FLIGHT TIME**  
13 min



**MAX PAYLOAD**  
2 kg



**MAX FLIGHT ALTITUDE**  
1500 m



Equipped with mount for reusable cargo attachment

## BOXER



**OPERATING RANGE**  
up to 12 km



**SPEED**  
up to 100 km/h  
70 km/h – cruise speed  
in target search mode



**TAKEOFF WEIGHT**  
4,8 kg



**MAX FLIGHT TIME**  
16 min



**MAX PAYLOAD**  
1,8 kg



**MAX FLIGHT ALTITUDE**  
1500 m



## FP-1

### UNMANNED AERIAL SYSTEM

The FP-1 Unmanned Aerial System (UAS) is designed for delivering specified combat payloads (up to 50 kg) to engage ground targets with fixed topographical coordinates, at distances of up to 700 km, both day and night, in the presence of active radio interference



**OPERATING RANGE**  
up to 700 km



**MAX SPEED**  
205 km/h



**MAX PAYLOAD**  
50 kg



**FLIGHT ALTITUDE**  
2 km



**CRUISE SPEED**  
140 km/h



**WINGSPAN**  
5600 mm



**MAX FLIGHT TIME**  
up to 6 h



**MAX TAKEOFF WEIGHT**  
178 kg



**NAVIGATION SYSTEM**  
GPS/GNSS/GALILEO/BEIDU

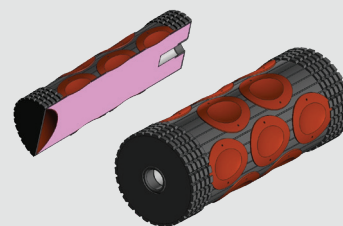


**OPTIONAL WEAPON**  
BC-50000

**EXPLOSIVE  
MATERIAL MASS**  
23 kg

**EXPLOSIVE  
MATERIAL VOLUME**  
1585 cm<sup>3</sup>

**ASSURED  
FRAGMENT COUNT**  
550 pcs.



# SKYWIPER – EDM4S

## HANDHELD ELECTRONIC DRONE MITIGATION SYSTEM

The SKYWIPER EDM4S is designed to counter Remote Piloted Aircraft Systems (RPAS) by mitigating control, video and navigation signals. Solution is fully mobile.

All modules are integrated and ready to be used by activating trigger

### RADIO MODULES

System is provided with radio modules for most popular RPAS control, video and GNSS frequencies\*:

- 900 MHz
- GNSS L1 1.5 GHz
- 2.4 GHz
- 5.8 GHz
- Custom frequencies on demand

\*depends on local regulation rules

### ANTENNA SPECIFICATIONS

System is provided with high gain directional antennas:

- 900 MHz
- GNSS L1 1.5 GHz
- 2.4 GHz
- 5.8 GHz



### POWER

- System is provided with all required power supply equipment, cables, etc.
- Changeable batteries
- Integrated battery
- Additional (spare) batteries available

### EQUIPMENT SET

- Robust rifle imitation frame
- High gain directional antennas
- RF modules
- Battery
- Holo sight/ scope



#### WEIGHT

less than 7 kg



#### CREW

1



#### DIMENSIONS

250 x 350 x 1045 mm



#### BATTERY OPERATING TIME

up to 1 hour





# SKYWIPER – OMNI

## MOBILE ELECTRONIC DRONE MITIGATION SYSTEM

The SKYWIPER OMNI is designed to counter Remote Piloted Aircraft Systems (RPAS) by mitigating control, video and navigation signals. Solution is fully mobile. All modules are integrated and ready to be used by pressing the button.

The device operates on a dome principle, providing omnidirectional protection



### RADIO MODULES

System is provided with radio modules for most popular RPAS control, video and GNSS frequencies\*:

- 900 MHz
  - GNSS L1 1.5 GHz
  - 2,4 GHz
  - 5.8 GHz
  - Custom frequencies on demand
- \*depends on local regulation rules

### POWER

- System is provided with all required power supply equipment, cables, etc.
- Equipment can work from 3 different power supplies:
  - Integrated battery
  - 12 V external power supply
  - 220 V external power supply

### ANTENNA SPECIFICATION

System is provided with omnidirectional antennas:

- 900 MHz
- 9GNSS L1 1.5 GHz
- 2.4 GHz
- 5.8 GHz

### EQUIPMENT SET

- Robust Case with passive cooling
- Omni directional antennas
- RF modules
- Battery



**WEIGHT**  
11,3 kg



**CREW**  
1



**DIMENSIONS**  
340 x 300 x 215 mm  
(without antennas)



**BATTERY OPERATING TIME**  
up to 5 hours



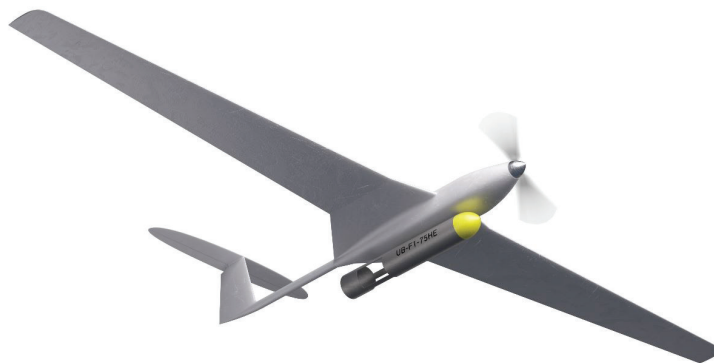




## PUNISHER

### UNMANNED AIRCRAFT SYSTEM

The Punisher UAS is a high-precision alternative to long-range artillery or missile weapons for the destruction of enemy targets at distances of 25 / 30 / 35 / 40 / 45 km. The complex allows to destroy targets from the "first shot". Has a predicted localization of impact. Due to its characteristics, it minimizes the risk of possible losses among non-combatants



**OPERATING RANGE**  
45 km



**PREPARE TO START**  
15 min



**MAX FLIGHT ALTITUDE**  
400 m



**MAX SPEED**  
180 km/h



**RELOAD**  
3 min



**WIND RESISTANCE**  
up to 25 m/s



#### WEAPONS

UB-75HE – unguided bomb  
high-explosive caliber 75 mm

**WEIGHT**  
2,5 kg

**DIAMETER**  
75 mm

**LENGTH**  
550 mm

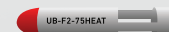
**IMPACT  
FUSE**

#### OPTIONAL

• HIGH EXPLOSIVE UNGUIDED BOMB



• HIGH EXPLOSIVE ANTI-TANK UNGUIDED BOMB



• HIGH EXPLOSIVE INCENDIARY UNGUIDED BOMB\*  
\*under development

