



Lightweight multi-purpose aircraft **MAGNUS FUSION**

The robotic version of the lightweight multi-purpose aircraft MAGNUS Fusion is a low-wing monoplane made of composite materials with alloy steel power elements and fixed landing gear.

The aircraft can be equipped with guided flying weapons - MALANKA missiles and is designed to counter small UAVs, as well as high-speed maneuvering targets before they enter the protected air zone. Moreover, MAGNUS Fusion weapons can be used to engage ground targets.

The iSky-30 HD three-channel high-sensitivity optical-electronic station installed on MAGNUS Fusion allows you to automatically detect, track and identify targets. In addition, the laser illumination function provides precise guidance of MALANKA missiles with a semi-active laser and passive thermal imaging homing head.

TARGETS:

- UAVs of ALL TYPES
- helicopters
- airplanes
- cruise missiles
- military transport aircraft
- ground targets

FEATURES:

- Autonomous patrol of protected sites and territories
- Real-time video transmission
- Detection and control of small maneuvering air targets

MAGNUS FUSION

Wing span, m: 8.44
 Length, m: 6.62
 Height, m: 2.40
 Weight: Empty: 299Kg / MTOW: 600Kg
 Fuel, L: 90
 Engine type: PD Rotax 912ULS
 Engine capacity, HP: 1 x 100
 Max speed, km/h: 280
 Cruise speed, km/h: 250
 Operational range, km: 800 - 1100
 Practical ceiling, m: 7000
 Max operational overload: 6



Missiles MALANKA x 2 pcs

Has two types of homing heads
 - semi-active laser
 - passive thermal imaging

MALANKA missile features:

It can engage not only air, but also ground targets.
 There are two modes of use - air-to-air and air-to-surface

Target engagement range, km	0,3 – 8
Target engagement altitude:	0,1 – 5
Kill probability (by one missile)	0,9
Max overload, g	47
Engage target overload, g	12
Guidance system	passive homing



Optical-Electronic Station iSky-30 HD

- Thermal Imaging (TI) Camera with 250 mm focal length
- High Sensitivity Color HD Day Camera
- Optional Eye-safe Laser Range Finder
- Optional Laser Illuminator
- Optional Laser Pointer
- Weight – 21 kg
- Diameter – 305 mm
- Detection range – 18 km