

Jupiter drones have proven themselves in Ukraine as high-tech, efficient UAVs that can be controlled by an operator in automatic mode without the skills to pilot aircraft.



Jupiter Hunter H1 and H1L UAVs are very quiet, invisible to radar, electric VTOL drones. H1 for reconnaissance and H1L strike and reconnaissance, as well as a large hybrid H4. All Jupiter UAVs have artificial intelligence, vertical takeoff and automatic landing.

Our company carries out deep military modernization of industrial Jupiter UAVs both in Ukraine and in Slovakia together with DefTech a.s. In this UAV **ARTICLE**, the Ukrainian military praises Jupiter drones. The drone's automatic bombing mode ("**press and forget**" principle) allows it to maneuver and drop up to ten UAB-1.5A bombs or Defiant smart planning munitions from a container with the help of a ballistic calculator on the target.

Our drones are equipped with the most modern electronic countermeasure systems, broadband telemetry, CRPA antenna and noise-resistant receiver, "smart eye" system, inertial navigation system and other backup systems that allow you to perform tasks in the complete absence of navigation and in conditions of aggressive radio interference.



H4

The H1L and H4 bomber aircraft drop ammunition at a distance of up to 400 km precisely on target in normal flight mode, both using a ballistic calculator and a photograph - gliding bombs Defiant.

Operator training lasts several days, since they do not require experience in piloting aircraft. Jupiter UAVs operate without a joystick, take off, perform tasks and land vertically in fully automatic mode. The artificial intelligence of the Jupiter UAV constantly captures and transmits to the operator the coordinates of cars and armored vehicles over which the UAV flies at a distance of up to 10 km.

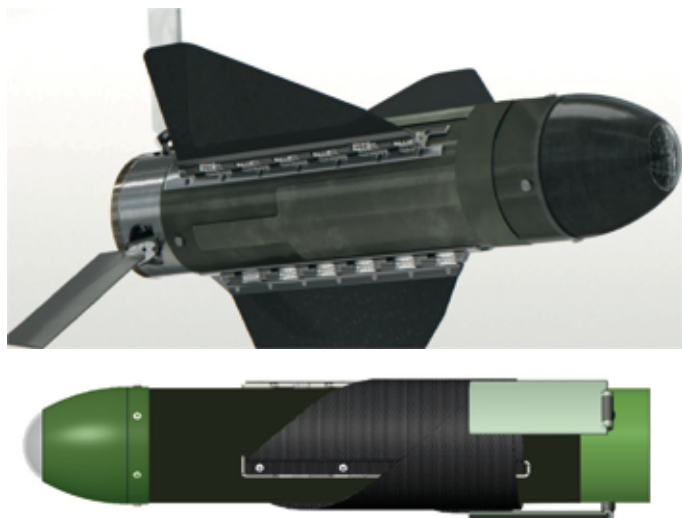
DEFIANT GLIDE MUNITIONS

Smart, low-cost Defiant gliding munitions with artificial intelligence, created using the revolutionary "smart eye" technology and designed to be dropped from the Jupiter UAV and accurately hit dugouts, troop headquarters, warehouses and other fortified structures, as well as armored vehicles in the version with a shaped charge.

Defiant munitions are located on the Jupiter UAV compactly in a plastic container with folded wings, rudders and are not visible on the radar.

At the moment of dropping the munition, the wings pop out under the influence of springs. At the initial stage, the munition flies according to inertial guidance, and at the final stage, visually capturing the target received from the Jupiter UAV, it hits the target accurately.

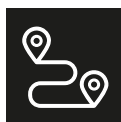
Warheads - Fragmentation Antipersonnel / Shape Charged / Penetrator Thermobaric.



	Diameter, mm	Length, mm	Weight, kg	Explosive mass, kg	Range, km	CEP
Defiant-GM5	80	490	5,5	3	8	<2m
Defiant-GM12	120	720	12,5	8,5	15	<2m

JUPITER HUNTER-1

The Jupiter Hunter-1 is a very quiet reconnaissance electric VTOL UAV, AI-powered. Interacts perfectly with artillery, determines and transmits to the operator the exact coordinates of a tank or other targets at a distance of up to 10 km.



**MAXIMUM FLIGHT DISTANCE
UP TO 250 KM.**



**INVISIBLE TO RADAR. NOT AFRAID OF
AGGRESSIVE RADIO INTERFERENCE.**

Maximum take-off weight	34 kg
Maximum payload	10 kg
Wingspan	3920 mm
Length	1910 mm
Speed	80-140 km/h
Maximum ascent and descent speed	5 m/s
Maximum flight height	4000 m
Control range up to	50 km
Flight time	140-180 min
Encryption	AES256



Control station



GIMBAL CAMERA WITH ARTIFICIAL INTELLIGENCE



Jupiter JT-40TL

40x optical zoom, $f=4.25\sim170\text{mm}$; 2.13MP; Imager sensor 1/2.8" SONY CMOS; EO+IR AI Object Tracking Target GPS Coordinate Resolving; Laser range 50~3000m; Thermal imager 640*512, 19mm focus length, $12\mu\text{m}$; Photo and video recording on a 256GB SD card included; N.W. - 985g.



Jupiter JT-30TRL (option)

30x optical zoom, $f=6.5\sim162.5\text{mm}$; 4.17MP; Imager sensor 1/1.8 Type STARVIS CMOS; EO+IR AI Object Tracking Target GPS Coordinate Resolving; Laser range 50~10000m; Thermal imager 640*512, 75mm focus length, 5X optical zoom, $12\mu\text{m}$, 25Hz; Photo and video recording on a 256GB SD card included; N.W. - 2530g.

JUPITER HUNTER-1L

The Jupiter Hunter-1L is a very quiet, AI-powered, electric VTOL UAV with two independent power systems. It can be used for both reconnaissance and precision bombing with long-range munitions drop and FPV. The plastic container can hold three Defiant-GM5 glide bombs or one Defiant-GM12.



**MAXIMUM FLIGHT DISTANCE
UP TO 350 KM.**



**INVISIBLE TO RADAR. NOT AFRAID OF
AGGRESSIVE RADIO INTERFERENCE.**

Maximum take-off weight	60 kg
Maximum payload	20 kg
Wingspan	4800 mm
Length	2580 mm
Speed	80-140 km/h
Maximum ascent and descent speed	5 m/s
Maximum flight height	4500 m
Control range up to	80 km
Flight time	160-240 min
Encryption	AES256



Control station



GIMBAL CAMERA WITH ARTIFICIAL INTELLIGENCE



Jupiter JT-40TL

40x optical zoom, $f=4.25\sim170\text{mm}$; 2.13MP; Imager sensor 1/2.8" SONY CMOS; EO+IR AI Object Tracking Target GPS Coordinate Resolving; Laser range 50~3000m;

Thermal imager 640*512, 19mm focus length, 12 μm ; Photo and video recording on a 256GB SD card included; N.W. - 985g.



Jupiter JT-30TRL (option)

30x optical zoom, $f=6.5\sim162.5\text{mm}$; 4.17MP; Imager sensor 1/1.8 Type STARVIS CMOS; EO+IR AI Object Tracking Target GPS Coordinate Resolving; Laser range 50~10000m; Thermal imager 640*512, 75mm focus length, 5X optical zoom, 12 μm , 25Hz; Photo and video recording on a 256GB SD card included; N.W. - 2530g.

JUPITER HUNTER-4

The Jupiter Hunter-4 hybrid VTOL UAV with electric motors and a German-made gasoline pusher aircraft engine with a power of 32 HP. It can be used for both reconnaissance and precision bombing with long-range munitions drop. The plastic container can hold six Defiant-GM5 glide bombs or two Defiant-GM12.



MAXIMUM FLIGHT DISTANCE UP TO 1000 KM.



NOT AFRAID OF AGGRESSIVE RADIO INTERFERENCE.

Maximum take-off weight	150 kg
Maximum payload	50 kg
Wingspan	6970 mm
Length	3004 mm
Gasoline tank capacity	46 L
Engine	EFI gasoline engine
Speed	80-140 km/h
Control range up to	250 km
Maximum ascent and descent speed	5 m/s
Flight duration	≥10 hours
Maximum resistance to wind	13,8 m/s
Working height	<4500 m
Power system	Hybrid (battery + gasoline)
Encryption	AES256



GIMBAL CAMERA WITH ARTIFICIAL INTELLIGENCE



Jupiter JT-30TRL

30x optical zoom, f=6.5~162.5mm; 4.17MP; Imager sensor 1/1.8 Type STARVIS CMOS; EO+IR AI Object Tracking Target GPS Coordinate Resolving; Laser range 50~10000m; Thermal imager 640*512, 75mm focus length; 5X optical zoom, 12μm, 25Hz; Photo and video recording on a 256GB SD card included; N.W. - 2530g.



Control station



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