

BRUS

Unmanned Aerial Universal System



- **Easy-to-use system**
- **Flight according to joystick directions, clicking on map or according to the program**
- **Automatic take-off and landing**
- **Return to press the button**
- **Upgrade SW and HW possibility**

- **Long endurance**
- **Low noise**
- **Reliability (6 drives and rescue parachute)**
- **High weather resistance**
- **Variable installation of user equipment (payload)**



■ Payload

Basic

- Two cameras on stabilized hinge (daytime HD and IR SD)

Supplementary

- Radiation sensor DRONES G (etc.)
- 3-axis camera system
- Payload pod for mass up to 3 kg (BRUS) or 8 kg (BRUS H)



■ Control

Easy-to-use and reliable system

- Command control by thumb joystick or by clicking on the touch screen
- Possibility to pre-program the flight path and change it at any time
- Automatic take-off and landing
- Automatic return on command



■ Usage

BRUS is the ideal means for some air activities in cases where it is not possible or economically disadvantageous to use conventional aviation technology. Here are some examples:

- Documentation of accidents, fires and natural disasters
- Inspection of power lines: high voltage, gas pipelines, heat ...
- Air pollution control, environmental control
- Check for heat leakage from buildings
- Filming aerial scenes, shooting
- Checking the state of agricultural crops
- Forestry
- Collecting information for the police, the army, and the state administration



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■ Easy transport

- For easy transport and handling, the system was designed as folding without using tools. In a folded state, the dimensions of the device are 60×70×90 [cm] and it also fits into a regular car trunk along with a control panel.

Characteristics	BRUS	BRUS H
Diameter	120 cm	
High	50 cm	
Propeller (ø)	28"	30"
Number of propellers	6 ks	
Construction	C-F kompozit	
Power unit	BLDC electric motors, 6×	
TOW	8.7 kg	11 kg
MTOW	12 kg	30 kg
Maximal load capacity	3 kg	8 kg
Maximal speed	60 km/h	70 km/h
Maximal endurance	80 min	110 min
Standard endurance	50 min (depending on load, wind and battery)	
Wind resistance	<10 m/s	<12 m/s
Additional property	Dust, snow and rain resistant system	