



D-12K

DESCRIPTION

Airplane-type UAS D-12K. Unmanned aircraft system D-12K of vertical take-off and landing with an electric motor. This model is designed to perform various tasks of Earth surface remote sensing and cargo delivery. UAS D-12K consists of:

- Unmanned aerial vehicle (UAV). Made according to the aerodynamic scheme “flying wing”;
- Ground Control Station (GCS).

UAS D-12K can be equipped with:

- high-resolution nadir camera;
- high-resolution nadir and perspective cameras;
- thermal imager and multispectral camera;
- geodetic receiver L 1, L 2 and a multi-system receiver;
- laser scanner.

SPECIFICATIONS LOAD

Weight and size characteristics	Value
Maximum take-off weight	Up to 12 kg
Wingspan	3000 mm
Length	900 mm
Payload weight	1,5 kg
Speed specifications	
Maximum flight speed	35 m/s (126 km/h)
Flight course speed	22–24 m/s (80–90 km/h)
Tactical characteristics	
Maximum flight duration, up to hours	1,5 h
Maximum flying range	100 km
Maximum flight height	4000 m
Take-off mode	Vertical
Landing mode	Vertical
Wind limit speed, no more	15 m/s
Ambient temperature range	-30 to +40 °C

