

AC-MK-4



DESCRIPTION

AC-MK-4 unmanned aircraft system surpasses similar drones in its class in flight time – 80 minutes with a payload of 2 kg on board. The ground control station allows to fly accurately and skirting the terrain.

This is a compact drone with vertical take-off and landing, capable to operate with a large number of pay loads: from cameras and thermal imagers to air-laser scanning systems and atmospheric pollution sensors.

SPECIFICATIONS LOAD

Name	Specifications
Type of construction	Folding
Dimensions (Length/width/height)	In working condition with screws – 1 950/1 950/590 mm Folded – 500/500/590 mm Diagonally without screws – 1 360 mm
Weight	With BRU – 11,5 kg Without BRU – 4,7 kg
Materials	Composite/carbon
Maximum payload	5 kg
Maximum take-off weight	16,5 kg
Operating frequency range	ISM 915 MHz, ISM 2400 MHz
EIRP	2 W
Positioning accuracy in GPS mode	On the horizontal axis ± 0.3 m On the vertical axis ± 0.4 m
Maximum pitch angle	20°
Maximum speed	15 m/s
Rate of climb	5 m/s
Rate of descent	3 m/s
Practical ceiling above sea level	6 000 m
Maximum permissible wind speed	18 m/s
Maximum flight time	80 minutes
Flight radius	20 km
Dust and moisture protection	IP44
Operating temperature range	-40°C to +40°C

