



AC-MK-6

DESCRIPTION

AS-MK unmanned aircraft system with vertical take-off and landing is capable to operate with a large number of pay loads: from cameras and thermal imagers to air-laser scanning systems and atmospheric pollution sensors.

Flight time is 75 minutes with a payload of 2 kg on board. The ground control station

allows to fly and accurately skirting the terrain. The only difference from the AS-MK-4 model is the number of engines. The hexacopter scheme unlike the quadcopter has one main operational advantage: in case of failure of up to two engines in the air, the device will be able to continue the flight and land safely.

Name	Specifications
Type of construction	Folding
Dimensions (Length/width/height)	In working condition with screws – 2 130/2 130/480 mm Folded – 590/590/730 mm Diagonally without screws – 1520 mm
Weight	With BRU – 14 kg BRU – 7,2 kg
Materials	Composite/carbon
Maximum payload	7 kg
Maximum take-off weight	21 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	75 minutes
Flight radius	20 km
Dust and moisture protection	IP44
Operating temperature range	-40°C to +40°C

