



# MANTIS

Kamikaze with Aerial Bomb 120 mm



Specially designed **armed military-grade drone**

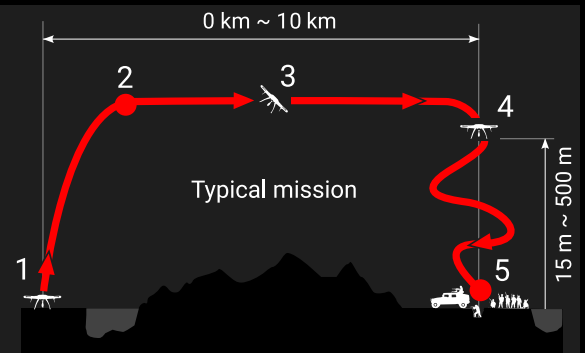
The **MANTIS** (codename KAM-120) drone is a rotary-wing kamikaze drone with a range of up to 15 km, designed and manufactured by the **PR-DC** company in a quadcopter configuration. It is armed with a 120 mm diameter aerial bomb (like Krušik M62), which is quickly and easily attached to the aircraft's structure before launch. The flight can be fully autonomous according to a predetermined path and target coordinates, or manually guided using a camera.

## MAIN CHARACTERISTICS:

<b>Powertrain:</b>	4 BLDC electric motors
<b>Optimal payload mass:</b>	12.6 kg (27.8 lb)
<b>Range:</b>	up to 15 km (up to 9 miles)
<b>Dimensions:</b>	2050 mm x 1750 mm x 530 mm (6.72 ft x 5.74 ft x 1.74 ft)
<b>Transport package dimensions (set of three):</b>	1500 mm x 800 mm x 400 mm (4.92 ft x 2.62 ft x 1.31 ft)
<b>Maximum take-off mass:</b>	34 kg (75 lb)
<b>Guidance:</b>	based on GNSS and camera
<b>Source of energy:</b>	Lithium battery
<b>Remote controller:</b>	IKA-CTRL with custom FlightControl App



Field-proven aerial bombs consisting of an M62 mortar shell and M68P1-D fuse specially designed for drone operations

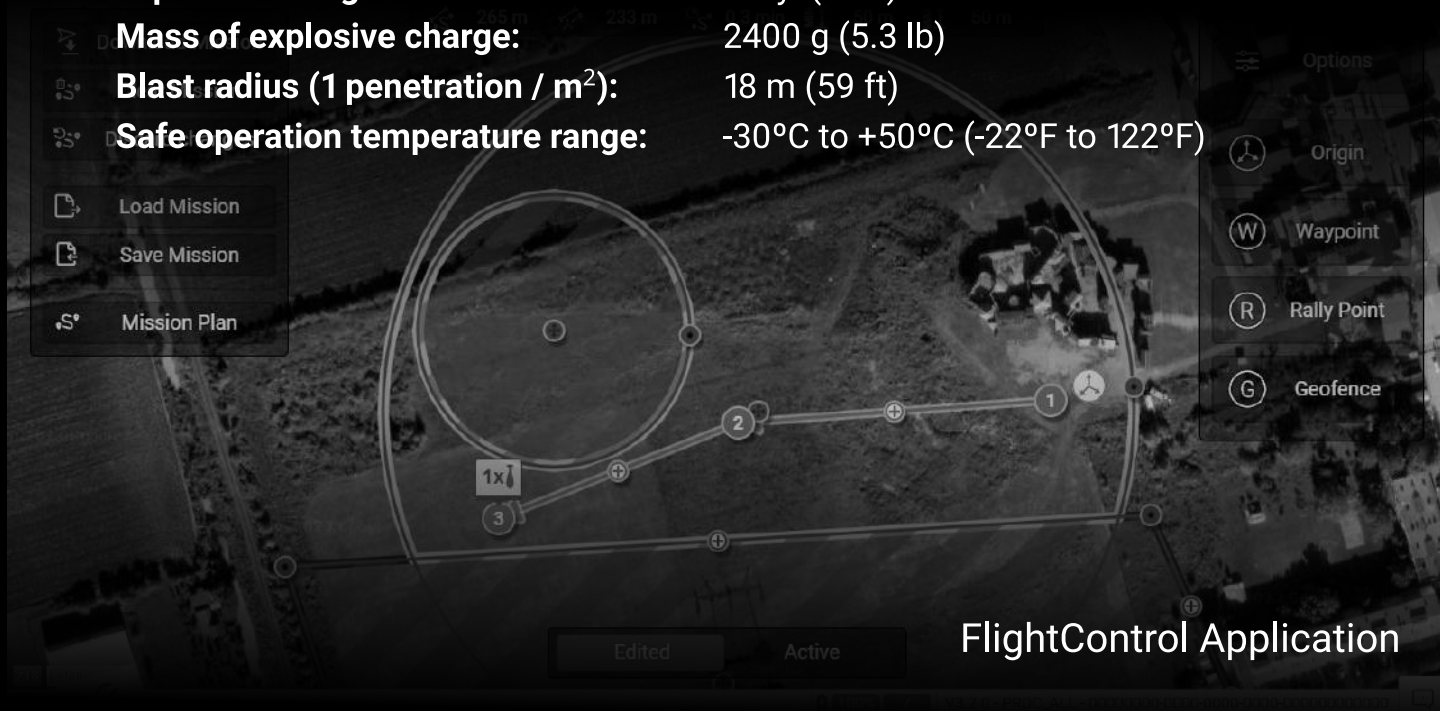




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**ARMAMENT CHARACTERISTICS:**

<b>Type:</b>	aerial bomb with a diameter of 120 mm
<b>Bomb length with fuze:</b>	606 mm (23.8")
<b>Fuze type:</b>	impact, superquick action, specially designed for drone use
<b>Fuze safety:</b>	two safety pins
<b>Mass of a single bomb with fuze:</b>	12600 g (27.8 lb)
<b>Explosive charge:</b>	trotyl (TNT)
<b>Mass of explosive charge:</b>	2400 g (5.3 lb)
<b>Blast radius (1 penetration / m<sup>2</sup>):</b>	18 m (59 ft)
<b>Safe operation temperature range:</b>	-30°C to +50°C (-22°F to 122°F)



FlightControl Application