PR-DC ODONAT

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ROTARY WING DRONE „ODONAT“

Loitering munition armed with a 60 mm bomb

PURPOSE:

The **ODONAT** (codename KAM-60) 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 60 mm diameter aerial bomb (like Krušik M73), 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:

Powertrain:	4 BLDC electric motors
Optimal payload mass:	1.3 kg (3 lb)
Range:	up to 15 km (up to 9 miles)
Dimensons:	660 mm x 470 mm x 235 mm (2.2 ft x 1.5 ft x 0.8 ft)
Transport package dimensions (set of three):	620 mm x 480 mm x 290 mm (2 ft x 1.6 ft x 0.95 ft)
Maximum take-off mass:	4 kg (8.8 lb)
Guidance:	based on GNSS and camera
Source of energy:	Lithium battery
Remote controller:	IKA-CTRL with custom FlightControl App

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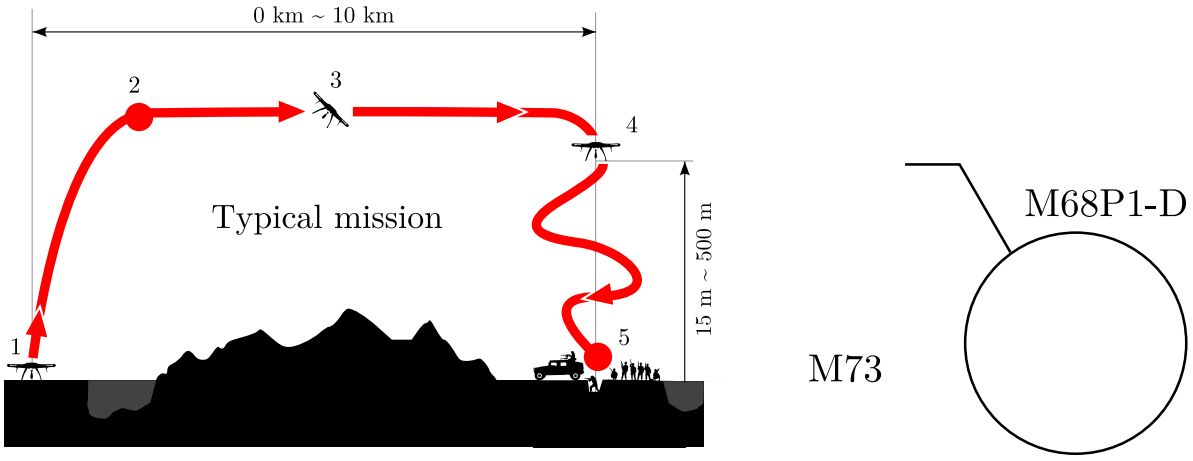

Figure 1 - Typical mission (left) and armament (right)

ARMAMENT CHARACTERISTICS:

Type:	aerial bomb with a diameter of 60 mm
Bomb length with fuze:	286 mm (11.3")
Fuze type:	impact, superquick action, specially designed for drone use
Fuze safety:	two safety pins
Mass of a single bomb with fuze:	1350 g (3 lb)
Explosive charge:	trotyl (TNT)
Mass of explosive charge:	250 g (0.55 lb)
Blast radius (1 penetration / m^2):	10 m (33 ft)
Safe operation temperature range:	-30ºC to +50ºC (-22ºF to 122ºF)