BOJHOTEXHUYKU UHCTUTYT MILITARY TECHNICAL INSTITUTE

МИНИСТАРСТВО ОДБРАНЕ РЕПУБЛИКЕ СРБИЈЕ REPUBLIC OF SERBIA MINISTRY OF DEFENCE



KOMARAC 1 SINGLE USE ARMED DRONE



Komarac 1 is FPV drone for single use armed with KPBG 50 tandem charge HEAT warhead of 50 mm caliber. The system is guided manually toward the target via station and operator has live video feed from onboard camera. It is used against armored vehicles and personnel. Warhead has outer lining with small steel balls for antipersonnel and light fortification damage and destruction. Fuse of the warhead can be activated upon impact or manually at the any desired moment during the flight. When the fuse receives the signal for activation warhead activates its shape charged projectile toward the armored target by penetrating it, while simultaneously small steel balls spread in circular pattern damaging everything in close vicinity. Fuse has multiple safety features (safety time, transportation safety pin etc.) and can be applied to most commercial drones.

TECHNICAL CHARACTERISTICS:

Range: ≥ 2 km

Flight time: ≥ 3 minutes

Warhead weight: 900 g

Penetration: ≥ 200 mm

Lethal radius: \geq 16 m Operating temperature: $-10 \,^{\circ}\text{C}$ to +40 $^{\circ}\text{C}$





