ВОЈНОТЕХНИЧКИ ИНСТИТУТ
MILITARY TECHNICAL INSTITUTE
МИНИСТАРСТВО ОДБРАНЕ РЕПУБЛИКЕ СРБИЈЕ
REPUBLIC OF SERBIA MINISTRY OF DEFENCE

COMBAT MULTICOPTER "OBAD"

Armed short-range combat multicopter OBAD is UAS which is designed for rapid deployment and high mobility military applications. It can destroy and disable close distance objects and armored or non-armored vehicles and manpower. OBAD can be operated manually or programmed for autonomous operation, utilizing the systems advance avionics and precise GNS navigation which provides greater precision accuracy and reliability. It is intended for day and night reconnaissance, collecting intelligence data as well as target acquisition, destruction and multi-purpose payload integration as follows:

- Stabilized remotely controlled combat station with four unguided anti-tank rockets 64 mm (M80 ZOLJA),
- Stabilized remotely controlled combat station with two unguided anti-tank rockets 90 mm (M79 OSA),
- Remotely controlled combat station with two mines of 120 mm caliber,
- Tactical communication jammer in 30-88 MHz frequency range,
- Cargo (logistic use), with the possibility of carrying a payload of up to 40 kg.

TECHNICAL CHARACTERISTICS:

Engine:	eight BLDC motors
Propeller:	composite two blades, contra rotating
Operating weight:	120kg
Payload weight:	40 kg
Cruising speed:	45 km/h
Operational altitude:	up to 500 m above ground
Flight Duration:	12-20 minutes
Range:	5 km

REMOTELY CONTROLLED WEAPON STATION:

Weapon:	4 anti-tank unguided missiles RBR M80 64 mm with 400 m range
RCWS movement range:	azimuth: ±20°
	elevation: -45° ÷ +5°
Optoelectronic sight device:	daylight CCD camera with continual optical zoom 30x
	thermal vision camera with digital zoom 4x
	laser rangefinder, up to 5 km range
Control:	remote wireless controlled

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