

DDS-3.1 COMBAT UAV

DRAGONFLY-3.1



DESCRIPTION

The DDS-3.1 is a loitering munition with medium-range and short-endurance capabilities. Its payload features an integrated warhead designed for kamikaze-style strikes. The system operates autonomously and includes a state-of-the-art anti-jam GNSS receiver, ensuring reliable performance even in challenging jamming conditions. The DDS-3.1's design emphasizes precision and a high level of stealth. Developed with advanced composite material technology and based on the principle of "shot and forget," it can operate at low altitudes and evade radar detection.

Designed to target ground-based equipment and other critical objectives both at the front and behind enemy lines, this versatile and cost-effective solution is well-suited for modern asymmetric warfare and tactical engagements. Key benefits include a low radar cross-section (RCS) and acoustic signature, strong resistance to electronic warfare and anti-aircraft systems, a smart navigation system, and onboard AI for object search and identification with a priority target selection mode.

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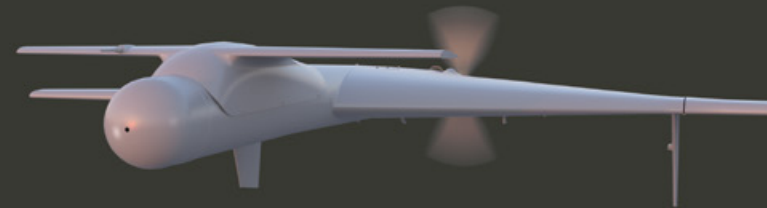
OPERATIONAL ROLE

Capable of targeting manpower, ground assets, armored vehicles, and radar installations, highly effective for the suppression of enemy air defenses (SEAD).

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PARAMETERS

Wingspan:	3,000 mm
Max loaded weight:	42 kg
Max payload:	5 kg
Engine type:	Electrical
Flight endurance:	Up to 60 min
Cruise speed:	35 m/s
Flight distance:	Up to 120 km
Max flight altitude:	4,000 m ASL
Autonomous accuracy:	10 m
Take off type:	Solid rocket booster
Compatible warhead:	WH-5

EQUIPMENT

UAV:	10 items
Ground control station:	1 item
Launch system:	10 items
Manufacturing capacity:	600 items per year