

BDS-10 SURVEILLANCE UAV

FALCON-10

DESCRIPTION

The BDS-10 is classified as a micro, long-range, and extra-long endurance UAV. It is equipped with a mesh network and radio retransmission systems and a 3-axis gimbal for surveillance that features a 10X optical zoom electro-optical (EO) sensor and a 30X digital zoom thermal sensor. The UAV can be operated autonomously or through remote control, and it features a state-of-the-art anti-jamming GNSS receiver to ensure reliable operation even in challenging jamming environments.

The BDS-10 serves as a reconnaissance UAV with extended flight capabilities. Its multi-launch functions and exceptional endurance make it well-suited for reconnaissance, surveillance, and guidance missions using high-resolution EO and thermal sensors. The specially designed mesh network and radio retransmission system provide robust, long-distance connections between various UAVs and ground control stations, enhancing the drone's operational range. This setup allows the command center to maintain real-time precision control while circumventing enemy suppression systems.

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OPERATIONAL ROLE

Capable of performing reconnaissance and surveillance tasks, supporting the command center.

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BD5-10



PARAMETERS

Wingspan:	3,400 mm
Max loaded weight:	25 kg
Max payload:	2.5 kg
Engine type:	Gasoline
Flight endurance:	10 hours
Cruise speed:	90 km/h
Flight distance:	900 km
Max flight altitude:	5,000 m ASL
Take off type:	Pneumatic launcher

EQUIPMENT

UAV:	10 items
Ground control station:	1 item
Launch system:	10 items