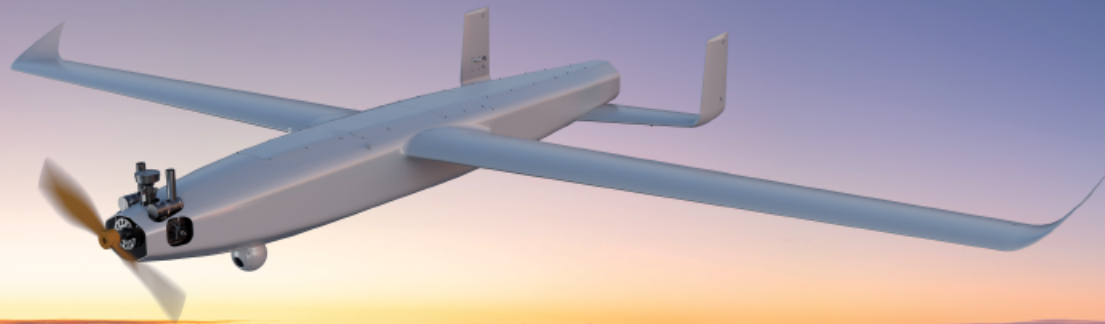


BDS-20 SURVEILLANCE UAV

FALCON-20



DESCRIPTION

The BDS-20 is classified as a tactical, long-range UAV with reconnaissance capabilities. It has a payload capacity of up to 3kg and is equipped with a 3-axis gimbal, which includes a 30X optical zoom electro-optical (EO) sensor and a 4X digital zoom thermal sensor, as well as a radio retranslation. The UAV operates through autonomous systems or remote operator control and features a cutting-edge anti-jam GNSS receiver, ensuring reliable operation even in challenging jamming environments.

The specially designed mesh network and radio retranslation system allow it to provide strong, long-range connectivity between various UAVs and ground control stations, extending the operational range. This enables the command center to maintain real-time precision control while avoiding enemy suppression systems.

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OPERATIONAL ROLE

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

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BDG-20



PARAMETERS

Wingspan:	4,900 mm
Max loaded weight:	65 kg
Max payload:	3 kg
Engine type:	Gasoline
Flight endurance:	14 hours
Cruise speed:	100 km/h
Flight distance:	1,400 km
Max flight altitude:	5,000 m ASL
Operation distance:	100 km
Take off type:	Mechanical launcher

EQUIPMENT

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