

Silver Fox UAS

Block B4

The Silver Fox – a small unmanned aircraft system (UAS) – delivers the real-time intelligence and long-range aerial endurance capabilities of a larger UAS.

Highly portable, the Silver Fox system can be transported in a small SUV or pickup and operated by two people.

The Silver Fox is unique in its class and an extremely cost-effective solution providing the Intelligence/Surveillance/Reconnaissance (ISR) capabilities you need.



BAE SYSTEMS

REAL PERFORMANCE. REAL ADVANTAGE.

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SPECIFICATIONS

Air Vehicle Wet Weight – Standard Payload	11.4 kg (25 lb)	Video Transmitter	User Selectable 2W/5W Output, S-Band FM Video TX with Optional 19.2 Kbps Data Carrier
Mission Endurance	Up to 8 Hours	Video Transmission Frequency Range	S-Band or L-Band
Fuel Type	Unleaded Gasoline (87 Octane MOGAS)	Video System Range	37 km (20nm), LOS
Mission Airspeed	65-83 kph (35-45 knots)	Payload Capacity	2.2 kg (5.0 lb)
Dash Airspeed	93 kph (50 knots)	Onboard Power	BA5590 LiSO2 Battery
Stall Airspeed	52 kph (28 knots)	Fuel Capacity	2.6 L (90 oz)
Navigation	DGPS / GPS, DGPS / GPS / INS	Engine	1-Cylinder (25cc) SOHC, 4-Stroke Reciprocating Engine with Oiling System
Nominal Mission Altitude	150-365 m (500-1,200 ft) AGL	Ignition	Electronic, Capacitive Discharge
Service Ceiling	3,657 m (12,000 ft) MSL	Propulsion	17x10 Tractor Propeller
Launch	Small Footprint Catapult <34 kg (<75 lb)	Starting Method	Hand-Held Electric Starter (12V)
Recovery	Autonomous Belly Skid	Shipping Size	1.52m x 35cm x 40cm (60 in x 14 in x 16 in) Composite Box with Wheels
Payload (EO)	Color, 10x Optical Zoom, 640x480 Pixel Resolution, FoV: 5° - 46°	Wingspan	2.4 m (96 in)
Payload (IR)	Dual Polarity, 2x Digital Zoom, 320x240 Pixel Resolution, Uncooled Microbolometer (7.5-13.5µm), FoV: 36°	Fuselage Length	1.47 m (58 in)
Command and Control Radio (C2)	Up to 2 Watt, Military or ISM Band Radio Modern, Narrow and Wideband Operation Modes Available	Tail Height	28 cm (11 in)
Command and Control Radio Range	37 km (20nm), LOS	Fuselage Diameter	12.7 cm (5 in)



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OSR Approved for Public Release
 09-S-2546 dated July 30, 2009