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The NightHawk is a long endurance ISR platform with low acoustic and low thermal signatures, that is capable of manned and unmanned operations. Its advanced aerodynamic design, high efficiency turbo-diesel engine and carbon fiber construction enable a range of up to 5000 NM at cruise or approximately 60 hours of endurance while loitering, with a payload of 500 pounds operating as a UAV. The NightHawk also provides over 150ft³ of internal space for payload. Designed to be rapidly deployable via a C-17, its outer wing panels can be removed in less than 30 minutes by two individuals. There are two (2) hardpoints, designed to carry 450-pound loads on the wings which can be used to carry external sensors and/or auxiliary fuel. **The NightHawk current TRL is 8.**

Base Specifications	
Wingspan	57' (17' without outer wing panels)
Weight	Maximum gross weight - 3800 pounds, empty 2350 pounds
Height	11', 2"
Length	29'
Engine (primary)	SAFRAN SR305-260E, 260 HP
Engine (backup)	PBS TJ-100 turbojet, 300 pounds thrust, stored w/in fuselage tail cone
Fuels	JP-8, Jet A, A1
Fuel tanks	118-gallon wing tank
Aux fuel tanks	Two 30-gallon externally mounted wing tanks
Speed	Maximum cruise 150+ knots
Range	3000 NM at 130 knots cruise
Endurance	30 hours loiter time (45+ hours w/external auxiliary tanks)
Ceiling	> 25,000'
Sensor payload	18 ft ³ in primary sensor bay, plus nine locations throughout aircraft for concealed or enclosed equipment
Cabin configuration	<i>Manned ISR configuration</i> – three stations: pilot, copilot/sensor operator and additional sensor operator/crew. <i>Utility configuration</i> – 1 crew & space for 4 pax or 1000 pounds of cargo (~110 ft ³)

UAV Configuration	
MTOW	4250 pounds
Internal aux fuel capacity	90 gallons
Range	5000+ NM @ 130 knots
Endurance	~60 hours loiter time
Payload	500 pounds with full load of fuel and 150 ft ³ of concealed/internal space

Manned ISR Configuration	
Crew	Up to three – pilot, copilot (and/or sensor operator) and sensor operator
Sensors bay	Designed to carry two WESCAM MX-15 gimbals (IR/Vis/etc.) or equivalent equipment
Additional sensor locations	Nine locations throughout aircraft for concealed or enclosed equipment

**Note – Specifications will vary by configuration, intended use, sensor options and mission parameters.*

