

ScanEagle

Users: U.S. Marine Corps, Navy, Air Force
Manufacturer: Insitu Group/Boeing
Inventory: 128 Delivered/128 Planned (2006)



Background: ScanEagle is a long endurance small UAS. Six systems of eight aircraft each are deployed in Iraq to provide force protection under lease to the Marine Corps, seven are deployed on Navy ships and one ashore, and two have been acquired by the Air Force. ScanEagle carries an inertially stabilized camera turret for both EO/IR imagery. Its sensor data links have integrated Cursor on Target (CoT) capability, allowing it to integrate operations with larger UASs such as Predator through the ground control station. Its Skyhook (near-vertical recovery system) and pneumatic catapult launcher allow operations from ships or from remote, unimproved areas. ScanEagle's longest demonstrated endurance flight is 28.7 hours. Variants include the Sea Scan for fish spotting and the GeoRanger for geophysical surveys.

Characteristics:

	Scan Eagle		Scan Eagle
Length	3.9 ft	Wing Span	10 ft
Gross Weight	39.6 lb	Payload Capacity	5-7 lb
Fuel Capacity	n/a	Fuel Type	Gasoline/HF
Engine Make		Power	
Data Link(s)	C2	Frequency	
	Video		

Performance:

Endurance	30 hr	Max/Loiter Speeds	
Ceiling	19,000 ft	Radius	60 nm
Takeoff Means	Catapult	Landing Means	Skyhook
Sensor	EO	Sensor Make	

