

# Manta UAS

## Block B4

Get big results with our biggest capacity payload UAS.

The Manta – an unmanned aircraft system (UAS) – offers an unprecedented number of mission profiles in its small, lightweight category.

Choose from a large number of missions due to the large size of its payload. Take advantage of its small size and mobility. Enjoy its low cost and ease of use. Select from two options of fuel tank design.

Customizable to your configuration; take a few moments and discover how the Manta can provide the information you want.



**BAE SYSTEMS**

REAL PERFORMANCE. REAL ADVANTAGE.

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### SPECIFICATIONS

Air Vehicle Wet Weight – Standard Payload	20.4 kg (45 lb)	Video Transmitter	User Selectable 2W/5W Output, S-Band FM Video TX with Optional 19.2 Kbps Data Carrier
Air Vehicle Maximum Take-off Weight	27.7 kg (61 lb)	Video Transmission Frequency Range	S-Band or L-Band
Mission Endurance	Up to 8 Hours	Video System Range	37 km (20 nm), LOS
Fuel Type	100:1 Gasoline (87 Octane MOGAS) / Oil Pre-Mix	Payload Capacity	6.8 kg (15 lb)
Mission Airspeed	83-120 kph (45-65 knots)	Onboard Power	(2) BA5590 LiSO2 Battery
Dash Airspeed	139 kph (75 knots)	Onboard Power Capacity	14.4 V, 15 or 30 AH
Stall Airspeed	70 kph (38 knots)	Fuel Capacity	8.0 L (2.1 gal)
Navigation	DGPS / GPS, DGPS / GPS / INS	Engine	2-Stroke/2-Cylinder Reciprocating Gasoline Engine in Reverse Rotation
Service Ceiling	4,870 m (16,000 ft) MSL	Ignition	Electronic, Capacitive Discharge
Launch	Rolling Take-off or Catapult Launch	Propulsion	20x10 3-Blade Pusher Propeller
Recovery	Wheeled or Skid Type Gear	Starting Method	Hand-Held Electric Starter (12V)
Payload (EO)	Color, 10x Optical Zoom, 640x480 Pixel Resolution, FoV: 5° - 46°	Shipping Size	1.24 m x 1.3 m x 0.61 m (49 in x 52 in x 24 in)
Payload (IR)	Dual Polarity, 2x Digital Zoom, 320x240 Pixel Resolution, Uncooled Microbolometer (7.5-13.5 $\mu$ m), FoV: 36°	Wingspan	2.6 m (105 in)
Command and Control Radio (C2)	Up to 2 Watt, Military or ISM Band Radio Modern Narrow and Wideband Operation Modes Available	Fuselage Length	1.9 m (76 in)
Command and Control Radio Range	37 km (20 nm), LOS	Tail Height	0.6 m (24.5 in)



### FOR MORE INFORMATION CONTACT:

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