

# Martin UAV

*Airborne Access to Information*

## Bat 4 UAV

*Payload Workhorse*

### KEY FEATURES

- Modular Payload Bay
- Max 20 lb (9 kg) Payload
- 6-12 hour Duration
- 750 Watt Generator System
- Turn-Key, Ready-to-Fly UAS

### IDEAL FOR

- Scientific Research
- Aerial Mapping
- Urban Monitoring
- Terrain Surveys
- Border Patrol
- Agricultural Monitoring
- Pipeline Inspection
- Mineral Exploration
- Wildlife Management



**PERFORMANCE** Capable of flying from 40 to 70 kts, at up to 10,000 ft and between 6-12 hours depending on payload, the Bat 4 has the speed, the endurance, and the capability to meet your mission's needs.

**READY-TO-USE** Configured with Cloud Cap Piccolo II autopilot, TASE 150 gimbal, ground station and all support equipment, MLB's Bat 4 is a ready-to-use UAS solution right out of the box.

Martin UAV

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## Bat 4 Specifications

### CHARACTERISTICS

<b>Wing Span:</b>	13 ft (4 m)
<b>Length:</b>	8 ft (2.4 m)
<b>Assembled Size:</b>	13 ft x 8 ft x 3 ft 4 m x 2.4 m x .9 m
<b>Weight*:</b>	125 lbs (56 kg)
<b>Propulsion:</b>	110cc 2-stroke engine
<b>Fuel:</b>	Gasoline oil mix (40:1)
<b>Electrical Power:</b>	150 Watt generator

\* Full Fuel. 20 lb Payload. TASE 150/200 Gimbal

### PERFORMANCE

<b>Speed Range:</b>	40 to 70 knots
<b>Duration*:</b>	6 to 12 hours
<b>Ceiling*:</b>	10,000 feet
<b>Range:</b>	300 miles (fuel limited) 20 miles (telemetry limit)
<b>Max Payload:</b>	20 lbs (9 kg)

\* Payload Dependent

### OPERATIONS

<b>Launch:</b>	500 ft (150 m) Runway RC control or auto land
<b>Recovery:</b>	500 ft (150 m) Runway RC control or auto land
<b>Max Wind:</b>	25 kts
<b>Weather:</b>	Operable in moderate precipitation

### CONTROL / DATA LINKS / SENSORS

<b>Sensors:</b>	Cloud Cap TASE 150, 200, gimbal (E/O, IR cameras)
<b>Data Link:</b>	2.4 GHz video down link, 900 MHz spread spectrum 2-way modem
<b>Guidance:</b>	Autonomous flight operation. Mission plans created with Piccolo Command Center software

### OPTIONS

<b>Sensors/Gimbal :</b>	Cloud Cap TASE 150 Cloud Cap TASE 200 Cloud Cap TASE 300 Cloud Cap TASE 400
<b>Data Link:</b>	Long range (90 km) or Iridium satellite links available
<b>Hi-Res Imaging:</b>	Digital SLR, Multi and Hyper Spectral Cameras
<b>Recovery:</b>	DGPS Autonomous Take-Off and Landing
<b>Propulsion:</b>	Heavy fuel engine

Contact Martin UAV for Information  
on Additional Options

#### OPTIONAL SERVICES

- Custom UAV Design/Fab
- UAV Flight Services
- Operations, Training, Support
- Aerial Data Processing
- Research and Design

#### ADDITIONAL UAVs

- V-Bat VTOL
- Super Bat - Catapult Launch



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