

Martin UAV

Airborne Access to Information

Super Bat DA-50 UAV

Small, Light-weight, Autonomous

KEY FEATURES

- Small, Light-weight UAV
- Catapult Launch System
- Max 5 lb (2 kg) Payload
- Max 10 hour Duration
- Turn-Key, Ready-to-Fly UAS

IDEAL FOR

- Small Unit Surveillance
- Anti-Piracy
- Aerial Mapping
- Urban Monitoring
- Border Patrol
- Force Protection
- Pipeline Inspection
- Perimeter Security
- Damage Assessment



TRANSPORTABLE The small, light-weight Super Bat system is sized to fit in a small SUV and is easily transportable to any location a 4WD can reach. The Super Bat assembles in minutes without any tools. A crew of 2 can have it flying within 15 minutes.

LAUNCH AND RECOVERY The Super Bat's car-top catapult launch capability and skid-landing gear minimize the need for dedicated infrastructure; a small clearing is all the Super Bat needs for launch and recovery.

STABILIZED VIDEO IMAGERY The Super Bat carries a Cloud Cap TASE 150 or 200 stabilized gimbal (E/O and IR cameras) with 20X zoom as well as automatic target tracking and geo-location capabilities.

BUILT TO LAST Built with Kevlar, aluminum, and carbon fiber, the Super Bat is rugged and built to last. The Super Bat's modular design gives you fast and easy access to key components for easy maintenance. Martin UAV's innovative carbon retractable nose shield protects the gimbal system from damage during landing, protecting your investment in high-quality sensors.

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

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Super Bat DA-50 Specifications

CHARACTERISTICS

Wing Span:	8.5 ft (2.6 m)
Length:	5.3 ft (1.6 m)
Assembled Size:	8.5 ft x 5.3 ft x 2.25 ft 2.4 m x 1.6 m x .7 m
Weight*:	47 lbs (21.3 kg)
Propulsion:	50cc 2-stroke engine
Fuel:	Gasoline oil mix (40:1)
Electrical Power:	75 Watt generator

* Full Fuel with TASE 150/200 Gimbal

PERFORMANCE

Speed Range:	35 to 65 knots
Duration:	Max 10 hours
Ceiling:	10,000 feet
Range:	400 miles (fuel limited) 20 miles (telemetry limit)
Max Payload:	5 lbs (2 kg)

OPERATIONS

Launch:	Bungee Catapult Launch
Recovery:	Skid Landing 320 ft x 130 ft 100 m x 40 m
Max Wind:	25 kts
Weather:	Operable in moderate precipitation

CONTROL / DATA LINKS / SENSORS

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

OPTIONS

Sensors/Gimbal:	Cloud Cap TASE 150/200
Data Link:	Long range (90 km) or Iridium satellite links Available
Recovery:	Emergency parachute system
Propulsion:	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 MARTIN UAVs

- V-Bat VTOL
- Bat 4 - Payload Workhorse



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