

## ***MLB SuperBat***

***The airframe is constructed of Kevlar, carbon fiber, and aluminum. The Super-Bat has a 103 inch wingspan and a ready-to-fly weight of 34 pounds. The Super-Bat is a complete UAV system that can operate autonomously, deliver high quality video imagery, and can be transported in a small SUV. The aircraft operates autonomously, has a 10-hour duration, and telemetry range of up to 10 miles (can be extended with optional long-range data link equipment.***

<b><i>Aircraft Type:</i></b>	MLB Super-Bat
<b><i>Manufacturer:</i></b>	MLB
<b><i>Construction:</i></b>	Kevlar, carbon fiber, aluminum
<b><i>Aircraft Empty Weight:</i></b>	29lbs.
<b><i>Aircraft RTF AUV:</i></b>	34lbs.
<b><i>Propulsion:</i></b>	26cc gas IC
<b><i>Power :</i></b>	5Ah lithium polymer batteries
<b><i>Onboard electronics:</i></b>	Cloud Cap Piccolo autopilot
<b><i>Optics :</i></b>	(1) still E/O imager, up to (2) video CCD video cams, 2.4Ghz.
<b><i>Launch Type :</i></b>	Fixed, catapult launch
<b><i>Landing Type :</i></b>	Skid
<b><i>Ceiling :</i></b>	10,000 msl
<b><i>Launch Speed :</i></b>	35 kts
<b><i>Cruise Speed :</i></b>	50kts (@ 75% power)
<b><i>Landing Speed :</i></b>	30 kts
<b><i>Stall :</i></b>	28 – 35 kts (depending upon wing loading)
<b><i>VNE : -</i></b>	
<b><i>Range :</i></b>	6-10 miles telemetry limited, 400 miles fuel limited
<b><i>Data Link:</i></b>	2.4 GHz video downlink, 900 Mhz spread spectrum 2-way mode
<b><i>Duration :</i></b>	10 hours (5aH battery for avionics)