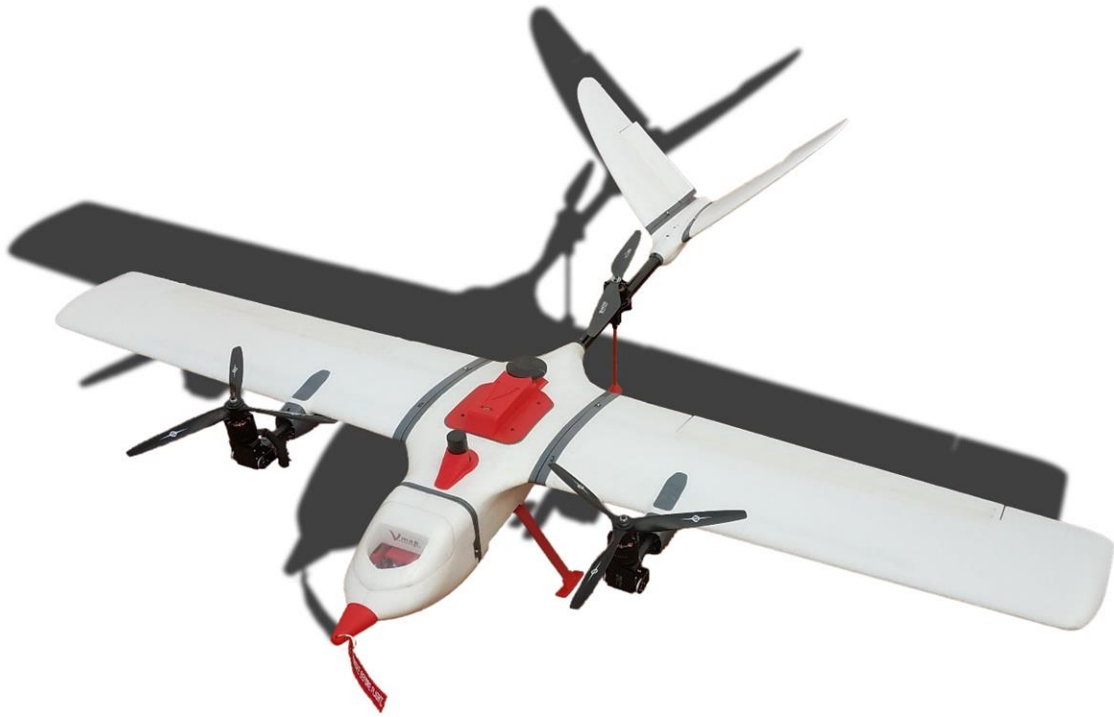




**Micro Aerial Projects L.L.C.**  
Intelligent UAV Operations and Sales



## MAP-TM3 SPECIFICATIONS

<b>STRUCTURAL:</b>		
<b>Construction</b>	Expanded Polyolefin (EPO), PLA, Balsa-wood, Carbon Fiber	
<b>Wing Span</b>	1800mm	70.8"
<b>Length</b>	1300mm	51.2"
<b>AUW With Mapping Payload</b>	< 5KG	11.02Lbs
<b>Propellers</b>	Two 13x8 Wood	
	One 17x8 Plastic MR	

<b>PERFORMANCE:</b>		
<b>*Max Flight Altitude (ASL)</b>	3500M	11400ft
<b>Max Flight Speed</b>	35m/s	78mph
<b>Recommended Mapping Flight Speed</b>	18m/s	40mph
<b>Minimum Takeoff / Landing Area</b>	10m Radius	32.8ft Radius
<b>**Flight Time (Safe)</b>	40 Minutes	
<b>**Flight Time (Max)</b>	60 Minutes	
<b>Coverage Area in 45 Minutes</b>	146.5 Hectare / 362 Acres	
<i>100m / 328ft</i>		
<i>18m/s   40mph</i>		
<i>80% Forward / 70% Side Image Overlap</i>		
<i>2.44cm Pixel Size (GSD)</i>		

<b>POWER:</b>	
<b>Battery</b>	6s 10,000mAh   6s 12,000mAh

<b>COMMUNICATION LINKS:</b>		
<b>Radio Transmitter</b>	2.4Ghz	
<b>***Radio Transmitter Link Range</b>	MAX 1.5km	MAX 1 Mile
<b>Telemetry Transciever</b>	900Mhz or 433Mhz (Location Dependent)	
<b>***Telemetry Transciever Link Range</b>	MAX 60km	MAX 37 Miles

<b>STANDARD MAPPING PAYLOAD:</b>	
Sony A6000 (25MP) with 16mm Fixed Focal Length Lens	
V-map AIR Dual Frequency GNSS 20Hz Receiver	

\* Theoretical Max Altitude - The MAP-TM3 has not yet been tested at this altitude

\*\* Flight Time based on 6s 10,000mAh

\*\*\* Line of Sight - No Obstructions



