



## MA Thruster QuadRotor

### HORIZONTAL FLIGHT CAPABILITY

The Thruster QuadRotor is equipped with thrusters on each of the four booms to allow the craft to fly horizontally in all directions without the need to tilt the airframe. The versatile quadcopter realises proprietary patented novel propulsion technology and attains superior craft performance that brings enhanced flight performance and an extended range of operational missions compared to existing quad-rotors in the market.

Proprietary patented propulsion system.

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### SPECIFICATIONS

<b>Weight</b>	800 g - 1400 g (282 g frame)
<b>Max Speed</b>	25 m/s
<b>Max Flight Time</b>	25 mins
<b>Max Ascent Speed</b>	5 m/s
<b>Max Descent Speed</b>	5 m/s
<b>Max Altitude (height above takeoff point)</b>	120 m
<b>Dimensions</b>	Diagonal wheelbase: 45 cm
<b>Motor</b>	2212 ~ 2216 (Stator size)
<b>Propeller</b>	10 x 3.1 in; 8 x 4.5 in
<b>ESC</b>	15A ~ 25A
<b>Range</b>	2.1 miles
<b>Operating Frequency</b>	2.400 GHz
<b>Battery</b>	3S ~ 4S LiPo
<b>Controllable Range</b>	Pitch: -90° to +30°
<b>Stabilization</b>	3-axis (pitch, roll, yaw)
<b>Battery Weight</b>	27 g
<b>Operating Temperature</b>	-10°C to 40°C
<b>Sensor</b>	Sony EXMOR 1/2.3"; Effective pixels: 12.4 M (total pixels: 12.76 M)