



## Robota Eclipse Specifications





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Property	Condition	Value
Flight Time	No payload @ 11m/s. *variables apply.	50 minutes
Speed Range	No payload	13 m/s to 20 m/s 25kts to 39 kts
Max wind speed	No payload	29 mph
Weight	No payload, ready to fly	2.4 lbs / 1 kg
Weight with Sony	Ready to fly w/ Sony RX100	3 lbs / 1.36 kg
Wing Span		54 inches / 137cm
Length		14 inches / 35 cm
Payload bay		5 x 2.4 x 1.2 inches 12.7 x 6 x 3 cm
Shipping/Transport		35.32" x 17.88" x 17.88" 89 x 45 x 45 cm
Payload Power		5v @ 1A
Control Link Frequency		900 mhz
Control Link Range	Std Antennas, line of sight	3 miles / 4.8km
Manual Control Frequency		2.4 ghz
Manual Control Range	Line of sight	875 yard / 800 m
Board Temperature Range	Measured on Autopilot	0 to 70c
Payload Options		Sony RX100 Micasense Red Edge Sequoia by Parrot Flir Vue Pro
RX100 Resolution	Sampling at 400ft agl	2.85 cm/pixel 1.12 in/pixel
Coverage Area	Per flight, RX100,400ft agl 60% overlap	400 acres 161 hectares



RedEdge Resolution	Sampling at 400ft agl	8.1 cm/pix
Coverage Area	Per flight, RedEdge,400ft agl 70% overlap	200 acres 80 hectares
Launch Options		Hand Launch
Land Options		Short skid with air brake
Storage Temperature	Batteries should be at room temp	0 to 50 c
Operating Temperature	Ambient	-10 to 38 c
Image geolocation accuracy	Absolute accuracy	2 m 6.5ft