

## ΤΕΧΝΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Aircraft	
Takeoff Readiness	1 min after power ON
Geo-Fencing	None
Return To Home	Yes
Disconnect Return To Home	Yes
Hover Accuracy	Vertical: $\pm 0.5$ m ( $\pm 1.6$ ft) Horizontal: $\pm 1.5$ m ( $\pm 5$ ft)
Operating Environment	-10 °C to 40 °C (10 °F to 104 °F)
Maximum Ground Speed	18 m/sec (40 mph)
Default Ground Speed	6 m/sec (13.4 mph)
Wind Resistance	10 m/s (22.4 mph)
Maximum Ascent Speed	6 m/sec (13.4 mph)
Maximum Decent Speed	4 m/sec (9mph)
Ingress Protection	IP 54
Foldable Props	Yes
Night Flight Beacons	Yes (red and white), on/off & blink options
Collision Avoidance	Front Facing Radar: up to 30 m, when flying <5 m/sec Ground detection via underside sensors
Imaging & Optical	
EO Camera Resolution	16MP with 20MP mapping mode, 128x zoom
IR Camera Resolution	640 x 512, radiometric, 5x zoom
Radiometric Features	Spot meter, Isotherms, Region of Interest (ROI)
IR Video Frame Rate	60 Hz
FLIR MSX	Yes
Gimbal	Maximum Control Speed: 120°/sec Control Range: -90° to 15° Control Accuracy: $\pm 0.02^\circ$

Remote Controller & Transmission	
Operating Frequency	Dual Ban: 2.4 GHz / 5.8 GHz
Operating Distance	9 km (6 miles)
Layout	Mode 2
Display Latency	<1 sec
Transmission Quality	720P, 30 fps
Display Brightness	1,000 lumens
Built-In Battery	90 min
Battery	
20% Battery Warning	Yes, visual and audio signal
Return to Home (RTH)	Yes, 10% Battery
Hot Swappable Batteries	Yes
Maximum Flight Time	31 min (rated)
Maximum Hovering Time	28 min (rated)
Battery Power	6,000 mAh
Type	LIPO 4S
Charging Temperature Range	5 °C to 50 °C (41 °F to 122 °F)
Storage Temperature & Humidity	Room temperature and <70% is recommended
Max Charging Current	6 A
Charging Time	45 min
Storage	
SD Storage	Formatted 64 GB micro SD (provided with aircraft)
Internal Storage	1 GB

## ΠΑΡΕΛΚΟΜΕΝΑ

Part Number	
4243187	Aircraft Battery Charger
4243188	Aircraft Batteries
4245519	Foldable Propellers (Clockwise)
4245520	Foldable Propellers (Counter Clockwise)

Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.flir.com/SIRAS](http://www.flir.com/SIRAS)



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