

### System Specifications

Aircraft Dimensions (LxWxH)	36" x 37" x 12" (without propellers)
Assembled	64" x 63" x 12" (with propellers)
Maximum Payload Weight	10kg (22lbs)
Maximum Takeoff Weight	25kg (55lbs)
Empty Weight	15kg (33lbs)

### Limitations

Maximum Operating Temperature	+38° C (100.4° F)
Minimum Operating Temperature	-25° C (-13° F)
Maximum Wind Resistance	35 km/h (21 mph)
Relative Humidity	0% to 90% non-condensing
Operating Ceiling	2438m (8000ft) ASL
Density Altitude Limit	2438m (8000ft) ASL

### Flight Characteristics

Climb Rate	590.6 ft/min (3m/s)
Descent Rate	590.6 ft/min (3m/s)
Maximum Turn Rate	90 deg/s
Maximum Operating Airspeed (Manual)	38 knots (72 km/h)
Maximum Automated Mission Airspeed	38 knots (72 km/h)
Maneuvering Airspeed	29 knots (54 km/h)
Maximum Hover Endurance	55 minutes
Maximum Flight Endurance	50 minutes
Maximum Operating Range	Direct visual line of sight
Maximum Controller Signal Range	2 km (1.2 miles)
Maximum Altitude Angle	34 degrees
Maximum Turn Rate (Yaw)	90 degrees/sec

### Payload Options

- FLIR DUOPROR CAMERA
- 24MP RGB PHOTOGRAPHY CAMERA
- 10X ZOOM RGB CAMERA
- 24MP RGB MAPPING CAMERA
- REDEEDGE MX MAPPING CAMERA

\*Specifications are approximate and may vary

