



Rodella Technologies

Pvt. Ltd.

Indian Engineering *Airborne*



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MQ 650^{LV}

COMPACT | SWIFT | UTILITARIAN

Advanced Aerial System

40 mins Flight Time

10 Kms LOS Range

300 gms Payload



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MQ650LV

About

MQ650LV is a light weight **micro-category** variant borrowing its structural toughness from MQ750+. Developed for **quick deployment** and **versatile** operations in the coldest and the windiest of weathers, the MQ650LV delivers **40 mins of operational endurance** with a **10x optical zoom** equipped **HD electro-optic sensor**. Swappable battery options make re-deployment swift enhancing the system's efficacy in real time surveillance missions. **Rapid surveillance and reconnaissance** in the tactical levels of warfare are most easily and effectively achieved with MQ650LV.


Flight time
40 mins


All up weight
< 2 kgs

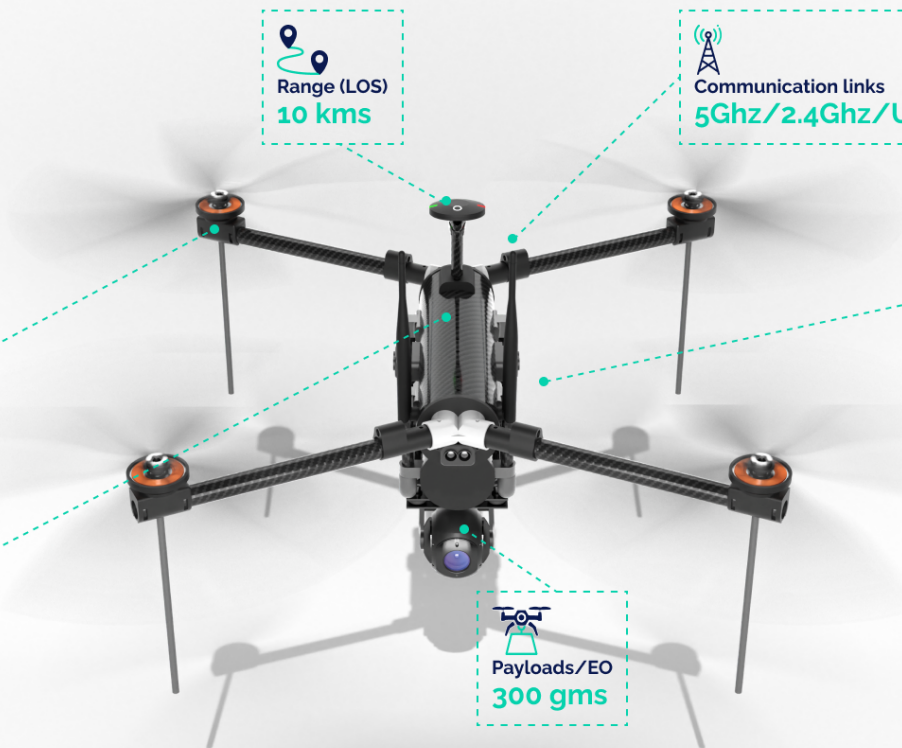

Range (LOS)
10 kms


Communication links
5Ghz/2.4Ghz/UHF/LTE


Ceiling altitude
4500 meters


Wind resistance
30 knots

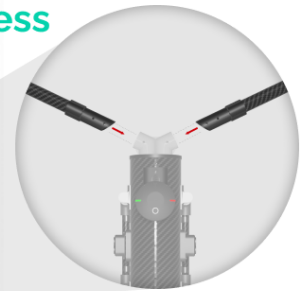
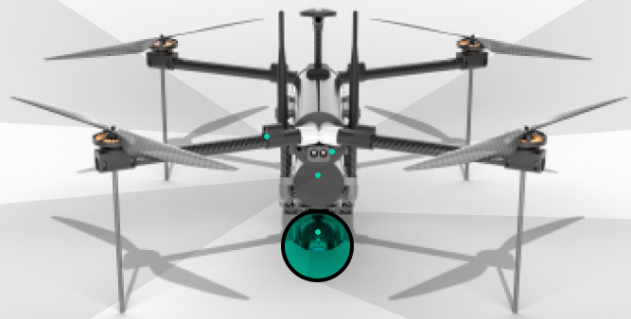

Payloads/EO
300 gms



MQ650 LV



**Quick
Deployment**



**Tool-less
Assembly**



**Swappable
Battery**



**Hot Swappable
Payloads**



HD Resolution Cam
4K, 10x Optical zoom



Active Obstacle Avoidance
Upto 10 m



Gimbal Stabilization
3 axis stabilized



Aural Signature
< 40dB @ 300 m AGL



Cruise Speed
30 kmph



Portability
Back packable



Operational Temperature
-10° to 50°



Operating Environment
Multi-terrain

Tech Specs

Technical features

Material	Advanced hybrid composites
Size	650 mm wheelbase
Empty weight	1 kg
Operational endurance	40 mins max
Wind resistance index	30 knots
Communication links (128 bit encryption)	2.4 GHz, 900 MHz
Range control & telemetry	10 Kms LOS
Cruise speed	8 m/s
Dash speed	10 m/s
Service ceiling	4000 m AMSL (Above Mean Sea Level)
Operational altitude	500 m AGL (Above Ground Level)
Propulsion	Brushless electric

Use cases

Rapid Surveillance
Rapid Mapping
Tactical Level Reconnaissance
Law Enforcement
Traffic Monitoring