



**Rodella Technologies**

Pvt. Ltd.

Indian Engineering *Airborne*



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# MQ750+

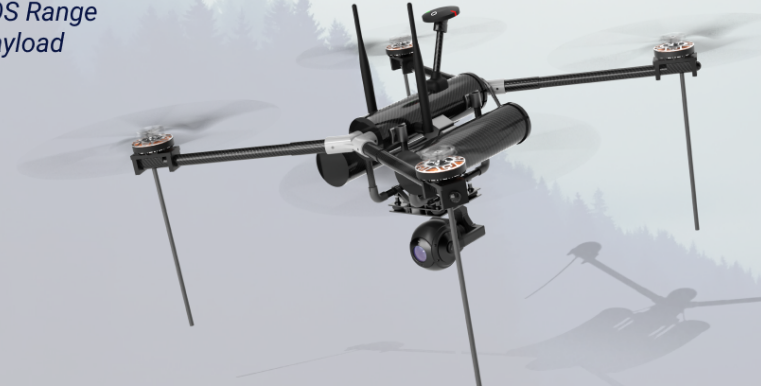
**ROBUST | RELIABLE | RUGGED**


*Advanced Aerial System*

**75 mins** Flight Time

**20 Kms** LOS Range

**1.2 Kgs** Payload



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## About

MQ750+ is built tough, specifically to deliver the highest standards of performance achievable by a quadrotor deployed in critical operations. Deriving an imposing set of numbers from its innovative hybrid-composite monocoque air-frame, the MQ750+ doesn't compromise on **ruggedness, durability** and **airworthiness**. Driven by **Rodella Labs' in-house autopilot** system, it exhibits utmost stability in the extremest of operating conditions. **Quick & easy deployment**, paired with **swappable payloads** enables a versatile use, even at night.

MQ750+



Flight time  
75 mins

All up weight  
4 kgs

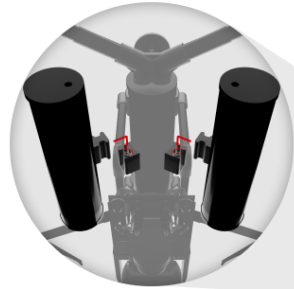
Range (LOS)  
20 kms

Communication links  
5Ghz/2.4Ghz/UHF/LTE

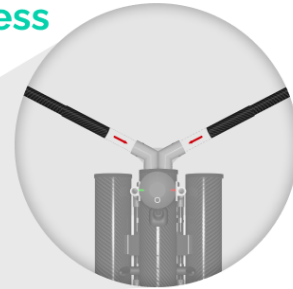
Ceiling altitude  
4500 meters

Wind resistance  
30 knots

Payloads/EO  
1.2 kgs



**Quick  
Deployment**



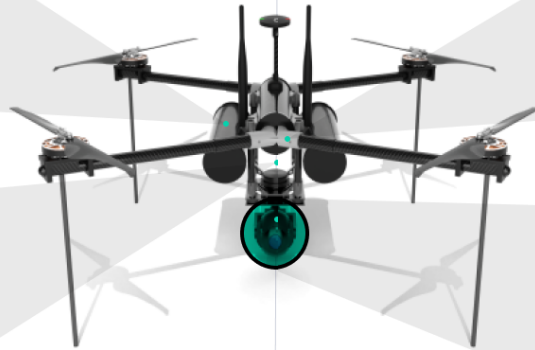
**Tool-less  
Assembly**



**Swappable  
Battery**



**Hot Swappable  
Payloads**





HD Resolution Cam  
**4K, 30x Optical zoom**



Active Obstacle Avoidance  
**Upto 20 m**



Gimbal Stabilization  
**3 axis mechanically stabilized**



Aural Signature  
**< 40dB @ 300 m AGL**



Cruise Speed  
**45 kmph**



Portability  
**Back packable**



Operational Temperature  
**-10° to 50°**



Operating Environment  
**Multi-terrain**

## Tech Specs

### Technical features

Material	Advanced hybrid composites
Size	750 mm wheelbase
Empty weight	1.3 kgs
Operational endurance	75 mins max
Wind resistance index	30 knots
Communication links (128 bit encryption)	2.4 GHz, 900 MHz
Range control & telemetry	20 Kms LOS
Cruise speed	12.5 m/s
Dash speed	15 m/s
Service ceiling	4000 m AMSL (Above Mean Sea Level)
Operational altitude	500 m AGL (Above Ground Level)
Propulsion	Brushless electric

### Use cases

Intelligence, Surveillance, Reconnaissance	Critical Military Ops
Convoy/VIP Security	Search and Rescue
Rapid Mapping	Asset Management
Traffic Monitoring	Law Enforcement
Riot Control	Cargo Drop

