



# FLY-R

AERO COMPOSITES INNOVATIONS



# R2-240

## UAS for surveillance, observation & reconnaissance

Fully autonomous  
Low operating cost  
Extended flight envelope

High operational availability  
Land based  
Ship based

Rapid deployment  
Low maintenance  
Extended range



180 km/h



10 hours  
(Hybrid)



60 km  
(LOS)



No pilot



Automatic  
Take-off & landing / recovery

[www.flyr-uas.com](http://www.flyr-uas.com)

# R2-240

R2-240 is a fully autonomous system based on the unique rhomboidal wing configuration with the advantages of aerodynamic efficiency, reduction in size of wingspan and structural strength.

The design of rhomboidal aircraft R2-240 has been validated by the **ONERA**.



## Sub-Systems



**Launcher**  
Without pyrotechnic device



**Recovery**  
Ship and land based versions



**GCS**



## Technical specifications & Ancillaries

Dimensions (W x H x L)	2440 x 403 x 2162 mm
MTOW	60 kg
Max payload	6 kg
Power plant	Hybrid
Speed range (at MTOW)	80 to 200 km/h
Launch speed (at MTOW)	< 90 km/h
Launch method	Mobile launcher
Landing	Net recovery or belly landing
Cruise speed	180 km/h
Operating range	60 km (with LOS communication)
Endurance	10 hours
Ceiling	5000 m

- No pilot in the loop
- Automatic take-off and landing / recovery
- Flies a pre-programmed pattern. Pattern can be modified in real time from the GCS using operator basic commands
- Bi-directional data link with real time video image transmission from aircraft to GCS
- Transponder system
- Various payload configurations can be done within the physical and functional constraints of the aircraft
- Power management system
- Mission sensor (standard): night and day camera

## Specially designed for

Target detection, identification and designation / Artillery fire correction / Medical deliveries in remote areas / Communication relay / Border patrol / Support to natural disaster relief operation / Fire detection / Unauthorized trafficking of people and goods / Pollution control / Uncontrolled fishing / Maritime transport assistance & anti-piracy surveillance / Monitoring of industrial infrastructures

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