

# MUAS

## MINI UNMANNED AERIAL SYSTEM

Mini Unmanned Aerial System is a compact, lightweight, fixed wing aircraft system and composed of autopilot, payload and ground control station. The Intelligence, Reconnaissance and Surveillance missions can be accomplished with the 2-axis stabilized gimbal which is designed in order to fulfill all the tactical requirements and has a modular design which enables the user to swap between different camera (EO/IR) on the field easily.

< 8 kg

WEIGHT

15 km

OPERATIONAL RANGE

2 HOURS

ENDURANCE





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The fully autonomous system can be launched by hand and recovered by parachute or on its fuselage. The system can be carried by two personnel and consists of two Airplanes (including payload and autopilot) and one Ground Control Station.

### Mini UAV Specifications

Total Weight	: < 8 kg
Wing Span	: 3 m
Length	: 1,3m
Payload	: 1,2 kg
Endurance	: 2 hour
Range	: 15 km
Absolute Ceiling	: 5.000 m
Speed	: 45-130 km/h

### Payload

Mini Payload family of gyro stabilized camera gimbals provide outstanding performance for the latest mini Unmanned Aerial Systems. All payload configurations provide 2-axis gimbal stabilization. Payloads contain laser pointer and single sensor, either continuous zoom color camera or uncooled IR camera.

### Autopilot and Ground Control Station (GCS)

- Autopilot provides a fully autonomous flight including take-off, navigation and landing with following main features:

#### Autopilot Specifications

- Autonomous waypoint navigation
- Easy to control and update from GCS
- Autonomous landing and recovery (belly landing or via parachute and airbag assisted)
- Fly the camera mode (Stable mode)
- In-flight programming
- Return home mode

#### Ground Control Station main features

- Real time analogue/digital video downlink
- Control UAV while on the move
- Rapid and easy deployment