

ARI-1T

ROTARY WING MINI UNMANNED
AERIAL SYSTEM

15 km

RANGE

2 hours

FLIGHT ENDURANCE

38 kg

MAXIMUM TAKE-OFF WEIGHT





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ARI-1T Rotary Wing Mini Unmanned Aerial System is a compact and lightweight system that meets military requirements and performs surveillance and reconnaissance missions. The system operates autonomously according to the mission plan that can be loaded before or during flight. It can carry an Electro-Optics Payload to provide a near real-time video stream to the Ground Control Station up to a range of 15 Km. The system consists of two Air Platforms, one portable Ground Control Station and one Ground Data Link System

The fully autonomous Air Platform is capable of vertical take-off and landing from marine platforms on the move, hover, as well as forward flight at altitudes up to 10,000 feet density altitude.

Technical Specifications

- Flight Endurance : 2 hours
- Mission Altitude : 10.000 ft (Density Altitude)
: 2.000 ft (AGL)
- Video and Telemetry Range : 15 km
- Maximum Take-Off Weight : 38 kg
- Operational Temperature : -20°C to +50°C
- Payload Weight : 3 kg

System Features:

- Stabilized gimbal
- Day TV and IR imaging camera
- Laser range finder
- Real-time video displaying
- Rapid and easy deployment
- Indigenous autopilot design
- Return home mode

Portable Ground Control Station:

- GPS
- Payload control unit
- Indigenous user interface software

Ground Data Link:

- Tracking pedestal on a tripod.
- UAV tracking on mission path into the range of 15 km radius

