

UAV RADIATION DETECTION

The ACE RAD is specifically designed for remote surveys for emergency response or general use in hazardous locations.



Model ACE RAD

Backpack Transportable

Mission Planner

Introduction

The ACE RAD is a field-deployable drone equipped with a sensitive gamma radiation detector that can spot radiological anomalies or dangers at a safe distance. The entire package including PC ground station and transmitter can be packed into a backpack for easy deployment wherever its needed. The Mission Planner and accompanying operational modes ensure success and safety all throughout the mission.

The ACE RAD was developed by a select team of experts

Specifications

- CsI scintillator crystal with integrated PMT
- 1.93 cps/uR/hr sensitivity
- 1 second response time
- Size: 31.75" x 32" x39"
- Maximum takeoff weight: 7.5 lbs.
- 60 minutes (plus) flight time
- Range: 3.22 km
- Transit speed: 19 kts
- Maximum winds: 28 mph
- Precipitation: 1 in/hr



Ground Station Radio

Features:

- Over One Hour Duration Flight Time
- Single Screen Video & Rad Readings
- Mission Planner Software
- Backpack Transportable
- Pilot View Camera
- Infrared Camera
- Multiple flight modes including:
 - Hands free "Return to Land" Mode
 - Fail-Safe "Return Home" Mode

A Complete System including USER TRAINING and Creation of System Operation and Maintenance manual to meet FAA Requirements.



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