

# Advanced Radio Location-Tracking for UAS



RT-600



**DF MONITOR**  
Remote Control and  
Monitoring Software

The importance of UAS in search-and-rescue, law enforcement and ISR applications has been thoroughly demonstrated, and these missions will only increase in the future.

**Introducing the RHOTHETA RT-600 —  
ideal for installation in UAS platforms.**

RT-600 is an advanced radio location-tracking system designed for search-and-rescue, asset tracking, and law enforcement. Whether searching for an emergency transmitter in a distress zone, tracking a suspicious radio chatter, or decoding the location of a vessel, RT-600 is the right technology for all of these missions.

With a frequency-agile operation, the RT-600 features receive, decode, and tracking of radio communications on VHF and UHF bands. Designed as a self-contained system, the RT-600 includes antenna, receiver, and processor, all in one small lightweight package that interfaces fully via serial data.

## APPLICATIONS

- Multifunctional Civil and Commercial UAS platforms
- Multiple intelligence gathering platforms
- Search-and-rescue, emergency alert, asset tracking-recovery
- Law enforcement, border patrol, radio monitoring, suspicious radio chatter

## MAIN FEATURES

- Compact radio location-tracking system
- 1000+ in ops: 400+/USAF-AUX-CAP, 100+/US law enforcement
- RF scanning, monitoring, and direction finding capabilities
- Tracking of ELTs, EPIRBs, PLBs, MSLDs, medical beacons, covert transmitters, buoys
- Decoding of COSPAS-SARSAT, Lojack, and other location-identification data protocols
- Wideband 118 – 470 MHz; A3E, F3E, A3X, F1D, G2D; 2.5 – 5  $\mu$ V/m sensitivity
- Serial data, RS485 interface
- Lightweight, 4.4lbs; Small,  $\varnothing$  270 mm x 185 mm
- DO-160D, DO-178B, ED-14D, ED-12B
- Multiple TCs and STCs by aircraft manufacturers/integrators
- NSN 5821015527216, HS 9014208080, no export restrictions