

**ROHDE & SCHWARZ**

Make ideas real



# AUTOMATIC DRONE IDENTIFICATION AND GEOLOCATION SOLUTION



# DETECTION AND LOCALIZATION OF DRONES

ARDRONIS Locate Compact is a compact, cost-effective and rugged drone monitoring solution. It determines the location of drones via automatic direction finding (DF) and triangulation of drone video downlinks. The system is designed for easy and rapid deployment in harsh environments and is especially well suited to detection and location of UASs over large areas, such as critical infrastructure sites, airports and military bases.

**Benefits**

- ▶ Fully automatic geolocation of FPV drones using analog or digital video signals
- ▶ Early warning while drone is still grounded
- ▶ Rapidly deployable, cost-effective solution for civil and government customers
- ▶ Robust, weatherproof design for missions of a few hours to several years

**Displayed system based on**

- ▶ R&S®UMS400 wideband monitoring receiver
- ▶ R&S®ADD207 compact direction finding antenna



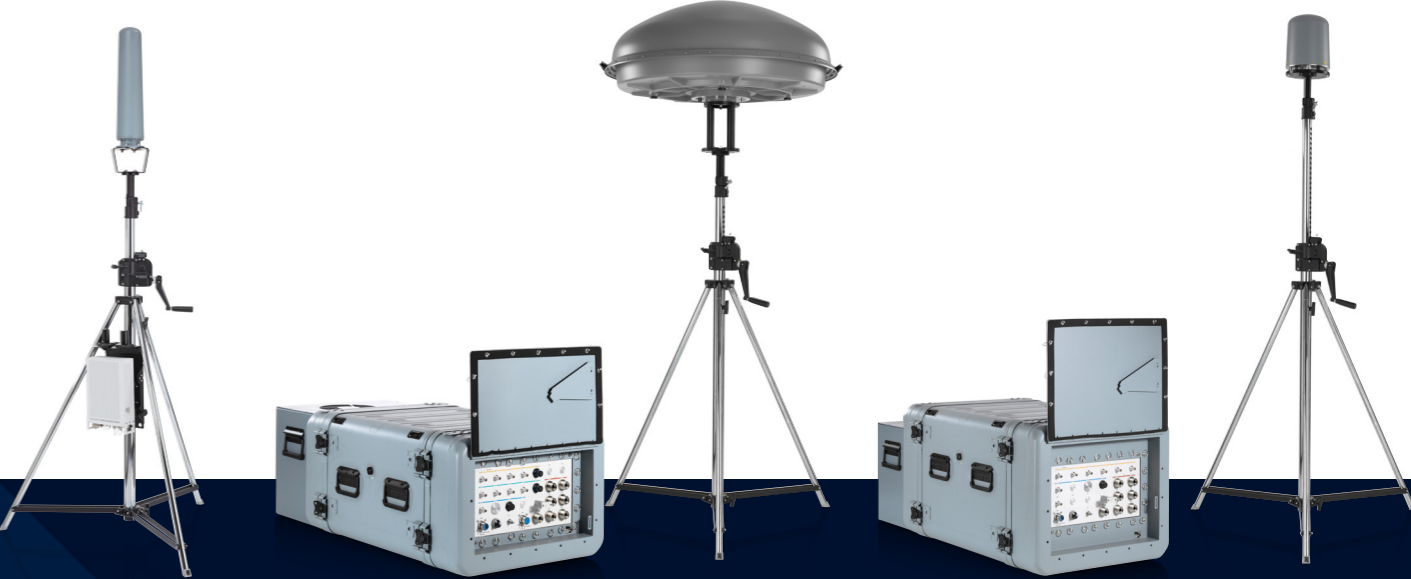
ARDRONIS Locate Compact  
 ▶ detect / identify  
 ▶ locate / track drone

**Features**

- ▶ **Direction finding:** ARDRONIS Locate Compact can locate commercially available drones. The solution locates digital and analog video downlinks such as DJI Lightbridge, DJI Ocusync, Autel, Skylink and TBS Unify Pro via direction finding and signal triangulation.
- ▶ **Detection and identification:** ARDRONIS Locate Compact can detect and identify signals from commercially available drones, remote controls and telemetry downlinks (FHSS signals, analog and digital video signals).
- ▶ **Early warning:** Early warning is the key to countering any threat. ARDRONIS Locate Compact detects radio signals even before drones take off. Early warning alone often ensures an effective response such as pilot interception.
- ▶ **Flexible operating environments:** Its small size, weight and power (SWaP) means ARDRONIS Locate Compact can be handled and operated by a single person. The solution can be integrated into permanent

- structures such as airports, borders or prisons but is also rapidly deployable as a semi-mobile solution for shorter duration operations (e.g. VIP, event and convoy protection).
- ▶ **Weatherproof:** ARDRONIS Locate Compact can be deployed across a wide variety of operating environments, with environmental ratings of IP67 and a temperature range from -30°C to 55°C.
- ▶ **Future-ready:** The solution supports future software upgrades and optional add-ons, including Wi-Fi drone detection, pan-tilt control and decoding functionalities. The signal database is frequently updated with service packs.
- ▶ **Open interface:** An open interface enables integration into multivendor and multisensor solutions, making ARDRONIS particularly attractive to system integrators. For interconnection of remote sensors, ARDRONIS Locate Compact offers 3G and 4G connectivity.

**The complete ARDRONIS family**



ARDRONIS Detect  
 ▶ detect / identify

ARDRONIS Locate Advanced  
 ▶ detect / identify  
 ▶ locate / track drone and pilot

ARDRONIS Effect  
 ▶ detect / identify  
 ▶ disruption

## Service at Rohde & Schwarz You're in great hands

- ▶ Worldwide
- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

## Rohde & Schwarz

The Rohde&Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test&measurement, technology systems and networks&cybersecurity. Founded 90 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

[www.rohde-schwarz.com](http://www.rohde-schwarz.com)

## Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management  
**ISO 9001**

Certified Environmental Management  
**ISO 14001**

## Rohde & Schwarz training

[www.training.rohde-schwarz.com](http://www.training.rohde-schwarz.com)

## Rohde & Schwarz customer support

[www.rohde-schwarz.com/support](http://www.rohde-schwarz.com/support)



R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG

Trade names are trademarks of the owners

3647.5010.32 | Version 02.02 November 2024

Automatic drone identification and geolocation solution

Data without tolerance limits is not binding | Subject to change

© 2024 Rohde & Schwarz GmbH & Co. KG | 81671 München