ROHDE&SCHWARZ

Make ideas real

ADVANCED DRONE IDENTIFICATION AND GEOLOCATION SOLUTION

ROHDE&SCHWARZ

DETECTION AND GEOLOCATION OF REMOTE CONTROLLED DRONES AND THEIR PILOTS

ARDRONIS Locate Advanced is the advanced geolocation solution in the ARDRONIS family for detecting and locating drones and their operators. The direction finding (DF) functionality provides two critical parameters: the direction of the operator (RC signal DF) and the direction of the drone itself (telemetry or video downlink signal DF). Direction information gives security personnel a significant tactical advantage. Direction and location enable a fast, effective response to the drone and the pilot.

Benefits:
▶ Fully automatic high-speed detection, classification and identification of analog and digital video signals as well as FHSS signals via AOA
▶ Best-in-class accuracy for universal location and tracking of video and telemetry RF signals
▶ Early warning while drone is still grounded
▶ Robust, weatherproof design for missions of few hours to several years

Displayed system based on:
▶ R&S®DDF550 wideband monitoring receiver
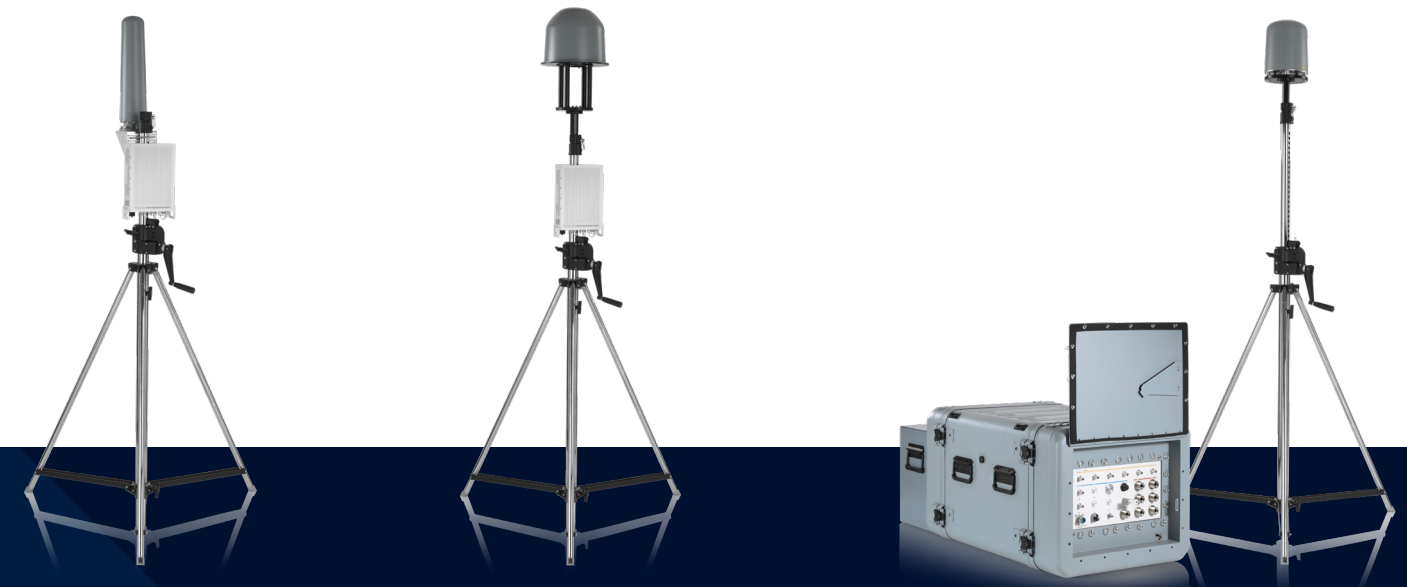▶ R&S®ADD557SR direction finding antenna

Features:
▶ **Advanced direction finding:** ARDRONIS Locate Advanced can locate both drones and their operators. The direction finding functionality provides two critical parameters: the direction of the operator (RC signal DF) and the direction of the drone itself (telemetry or video downlink signal DF).
▶ **Detection and identification:** ARDRONIS Locate Advanced detects and identifies 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 Advanced detects RC activity even before drones take off. Early warning alone often ensures an effective response such as pilot interception.

▶ **Weatherproof:** ARDRONIS Locate Advanced 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 Advanced offers 3G and 4G connectivity.

The complete ARDRONIS family

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

ARDRONIS Detect
▶ detect / identify

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

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 trailblazers 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

Sustainable product design

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

Certified Quality Management	Certified Environmental Management
ISO 9001	ISO 14001

Information Security Management System	Certified Quality Management
ISO/IEC 27001	AQAP-2110

Rohde & Schwarz training
www.training.rohde-schwarz.com

Rohde & Schwarz customer support
www.rohde-schwarz.com/support