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Make ideas real



AUTOMATIC DRONE IDENTIFICATION SOLUTION



COMPACT AND FLEXIBLE DETECTION OF REMOTE CONTROLLED DRONES

The ARDRONIS Detect solution provides immediate notification of the presence of radio signals from commercial drones. By comparing measured RC drone signals with an extensive library of drone profiles, the solution provides reliable early warning of any threats in the coverage area. It detects FHSS signals (remote control, telemetry) as well as analog and digital video signals.

Benefits:

- ▶ Fully automatic high-speed detection, classification and identification of drone & remote-control type
- ▶ Early warning while drone is still grounded
- ▶ Compact design enables flexible deployment and quick system setup
- ▶ Successful operation with minimal training

Displayed system based on:

- ▶ R&S®UMS400 wideband monitoring receiver
- ▶ R&S®HE600 omnidirectional wideband antenna



ARDRONIS Detect
▶ detect / identify

Features:

- ▶ **Detection and identification:** ARDRONIS Detect is designed to 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 Detect can sense radio signals even before drones take off. Early warning alone often ensures an effective response such as pilot interception.
- ▶ **Quick setup:** ARDRONIS Detect is relatively small, compact and can be set up quickly. For portable use, a transport case with a compartment for the ARDRONIS Detect system (antenna, receiver, notebook and accessories) is included.

- ▶ **Easy operation:** ARDRONIS Detect can be operated with minimal training. When a signal is classified as a threat, the operator is immediately alerted via the user interface or custom configured alarms.
- ▶ **Future-ready:** The solution supports future software upgrades and optional add-ons, including Wi-Fi drone detection 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 Detect offers 3G and 4G connectivity.

The complete ARDRONIS family



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

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 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.

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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

Information Security Management System

ISO/IEC 27001

Certified Quality Management

AQAP-2110

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Automatic drone identification solution

Data without tolerance limits is not binding | Subject to change

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