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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



The complete ARDRONIS family

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.



ARDRONIS Detect
▶ detect / identify

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

ARDRONIS Effect
▶ detect / identify
▶ disruption

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Rohde & Schwarz

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ISO 14001

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