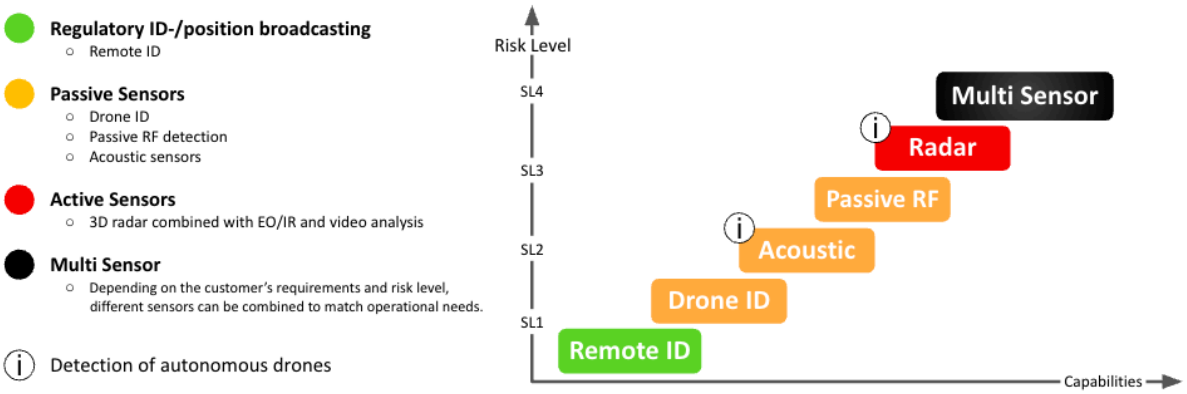
Drone detection on our customers' terms

Securify has developed a scalable concept for customer-tailored drone detection solutions, from an easy entry level with dAware™ (Remote ID / Drone ID) to multi-sensor systems in CoreCommand™.

Entry-level options - Remote ID & Drone ID

- **dAware Base** - detection and localization of drones (+250 g) and pilot via Remote ID
  - Omnidirectional antenna with 1-2 km radial range
- **dAware Plus** - detection and localization of drones (+250 g) and pilot via Remote ID
  - Directional antennas with a range of 10-15 km
- **dAware Ultra** - sensor for drone detection using both Remote ID and Drone ID
  - Omnidirectional antennas with 5 km radial range



Choose between on-prem or cloud service

The customer decides how the solution is deployed. For customers who want to own the system or have policies that do not permit cloud services, Securify offers dAware as a locally installed solution. The sensors are connected to software installed on an existing server (VM), or delivered on a complete, preconfigured server as part of the system. For customers who prefer a cloud service, Securify also provides such an option. For more information, see *System Platforms*, page 3.

Regardless of the deployment model, the system does not require specialist skills. Ground stations are easily mounted on a mast or rooftop with a clear line of sight, connected to PoE or 220 V, and are preconfigured and ready to use. Additional ground stations can be added at any time and assigned appropriate access rights: local operators only see their own site, while central roles can have a consolidated view of all facilities.

The choice between on-premises and cloud can be changed over time. Start simple, collect data to build situational awareness, and use that as a basis for making an informed decision about the next step. Scale up, change deployment model, or adapt the solution to new requirements without changing the platform. This provides a flexible system foundation for risk assessments and further adaptation of protective measures.

Acoustic sensors - also detect “dark drones”.

For small and medium-sized sites such as substations, data centers, and correctional facilities, acoustic sensors offer a cost-effective way to complement dAware for the detection of all drones, including so-called “dark drones”. We can therefore now also offer acoustic sensors as an integrated part of our drone detection solutions, based on a proven platform optimized for this purpose.

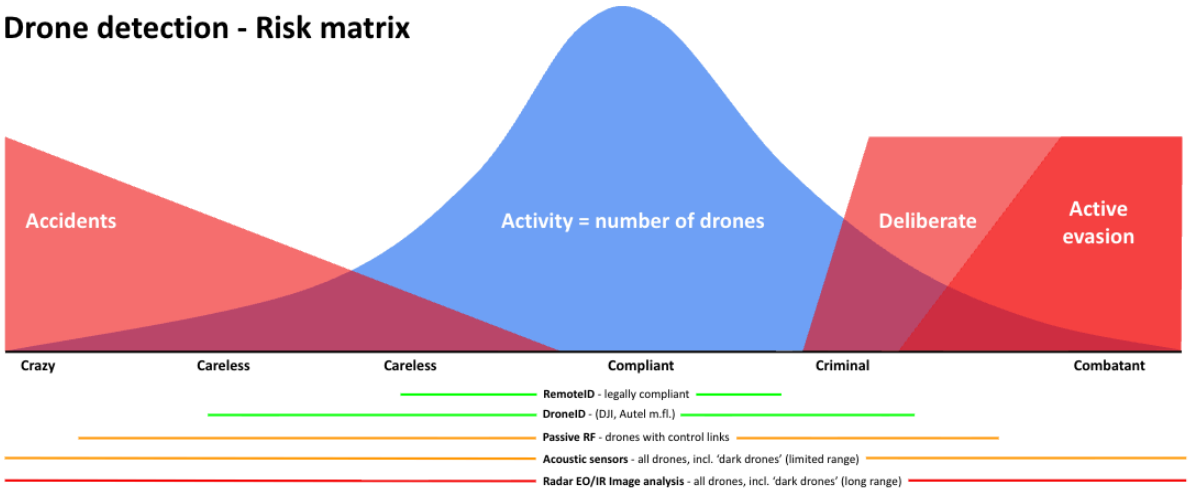
- Acoustic sensor with 360° coverage and 90° vertical field of view, 330m radial range (small commercial drones)
- Optimized for low false alarm rates and demanding environments
- Passive sensor technology that detects all drones; range varies depending on drone size

By designing the sensor system as a cluster with multiple acoustic sensors, drones can be located in 3D (horizontally and vertically) using TDoA (Time Difference of Arrival) technology. The position data is used for automatic control of PTZ cameras towards the drone for visual verification. For this step, dFuse is complemented by CoreCommand, which among other things, provides:

- Automatic classification and target tracking with EO/IR
- Multi-sensor support and sensor fusion

Flexible design for different environments and requirements

- **Multiple sensors per site:** provide 3D positioning and are primarily optimal for smaller facilities where you want to track the drone’s movement and point of intervention, with the option of visual verification.
- **Single sensors:** for facilities outside urban areas, where the primary purpose is to detect drones in the area. When the direction of approach is of secondary importance, a single sensor, in combination with dAware, provides cost-effective and comprehensive airspace protection.



Note. As the illustration shows, detecting autonomous drones requires acoustic sensors or radar.

Passive RF - detection via drone control links

When there is a need to detect more than what Remote ID and Drone ID provide, passive RF offers a broader situational picture.

- Detects drones by matching the signature in their control links against a threat library
- Scans a wide frequency band from 400 MHz to 6 GHz
- Provides bearing and altitude data that can be fused in CoreCommand together with PTZ cameras

Radar - weather-independent detection with range and precision

For larger areas or high-value assets, radar can provide an independent picture of the airspace.

- 3D radar detects small drones at short to long distances
- High detection performance day and night, regardless of weather conditions
- Delivers real-time tracks that can be combined with acoustic, RF, and camera data in CoreCommand

Our system platforms - dFuse™ and CoreCommand™

dFuse is the central hub for Remote ID and Drone ID, handling alarm management, geofencing, black/whitelists, statistics (heatmaps), multi-site support, and incident reporting. CoreCommand aggregates data from dAware, acoustic sensors, passive RF, radar, and cameras, and presents real-time information in a common operational picture.

- Integration with any VMS and PSIM system for video, maps, and response plans
- Alarms, tracks, and metadata can be shared with existing alarm center/SOC environments
- Open interfaces for connecting additional sensors and systems over time
- Map view in both 2D and 3D

This means drone detection can be introduced step by step, leverage existing infrastructure, and still be prepared for future requirements for information sharing with authorities.

Interoperability and cooperation with authorities

CoreCommand and dFuse are being developed with a strong focus on interoperability. We are closely following the authorities' ongoing work on a national platform for collecting drone data from end users and are preparing dFuse and CoreCommand for integration with this platform. The goal is that, during Q1 2026, our customers will be able to share selected alarm and tracking data directly with the relevant authorities, without changing platforms.