

Validrone™

Validrone is a suite of solutions capable of detecting and tracking drones and their pilots. We help you discover the most appropriate solution, depending on your needs and type of perimeter.

Validrone is a passive radio-based system that detects and tracks drones up to 3 km away. The system plots the drone position on a map, and if given a line-of-sight, also positions the pilot. Validrone enables unique situation awareness through long-range early detection as well as verification capabilities with automatically positioned PTZ cameras, which allows you to give a risk proportionate response to the threat.

- ▶ Early warning, detection and positioning of drones that are powered on.
- ▶ Geofenced alarm zones and a 360 degree dome-like coverage.
- ▶ Validrone can automatically control a PTZ camera.



Detect



Verify



Act

- ▶ Radiofrequency-based detection is much more cost-effective compared to other techniques.
- ▶ Quick and easy installation keeps installation costs low.
- ▶ Scalable – easy and cost-efficient to add more sensors if there is a need to cover a larger area.



Every month 1,000,000 drones hit the global market, and 250,000 of those reach the European market. Right now, more than approximately 20,000,000 drones are in use around the world. We have identified five main threats: four are from rogue drones and one from hobby users.

Solutions for different needs

Validrone™ Essential

- ▶ Detection
- ▶ Alarm notification
- ▶ Statistics

Validrone™ Professional

- ▶ Detection
- ▶ Alarm notification
- ▶ Statistics
- ▶ Direction of drone
- ▶ Automatic PTZ control

Validrone™ Enterprise

- ▶ Detection
- ▶ Alarm notification
- ▶ Statistics
- ▶ Direction of drone
- ▶ Automatic PTZ control
- ▶ 2D positioning
- ▶ VMS integration
- ▶ Scalable

- ▶ **Detection of drone**
- ▶ **Sector/direction towards drone**
- ▶ **2D positioning of drone**



Take note of

- ▶ Validrone™ has support for >95% of the drones on the market, including all the major drone vendors. Although the Validrone™ signature library is continuously being extended there are certain low-volume drones that are not supported. Drones without any radio signals and drones using cellular or satellite communication cannot be detected.
- ▶ Non-line-of-sight to the drone can reduce the system detection and positioning accuracy.
- ▶ Each product has unique features; please see the separate data sheet for specific details.

System integration

- ▶ The ONVIF compatible stream supports integration with various systems, such as Milestone Xprotect, Bosch VMS and Unison.
- ▶ Validrone™ has PTZ-camera support and can use the estimated drone position to point the PTZ cameras towards the drone location automatically.
- ▶ Validrone™ can be deployed using existing IT infrastructure (on a private VLAN). For customers not allowing IP connectivity, Validrone™ may be integrated using analog video and relay outputs. As an alternative to sometimes costly cable routing, Validrone™ can use 4G routers communicating via secure VPN.

Validrone is offered including:

- ▶ Hardware, Software, Installation & System Configuration.
- ▶ System Service Assurance – if ever a device stops responding, an alarm will alert STANLEY.
- ▶ Software upgrades.
- ▶ Service & Maintenance includes Annual on-site maintenance. Service Level varies according to selected Agreement.

Contact us

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