

# Azur Drone



## Autonomous Security Drone

### Eyes in the Sky

Observing, monitoring and inspecting an infrastructure or large area can be done in different ways. Many of these observation methods are limited by the stationary location of the cameras. For large areas, air surveillance can be carried out by helicopter, although this is very expensive.

The deployment of an autonomous drone does not require a pilot or spotter and the images of the drone can be viewed in real time from the control room. In addition, a drone is very quickly on-site in case of emergencies. We can all imagine the advantages by using drones in surveillance. The view from above gives a large overview, has a deterrent effect and you have camera surveillance everywhere no matter the ground structure.

The autonomous drone offers the ideal solution to the limitations of other surveillance methods.

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## Cameras

The autonomous surveillance drone is standard equipped with two different cameras. These cameras provide a wide field of view from the air and give an overall view of the terrain without blind spots. A thermal camera is used that allows for detecting individuals in the dark or in smoky conditions, along with a 4K camera (8.5 MP) featuring a powerful 20x optical zoom and 12x digital zoom.

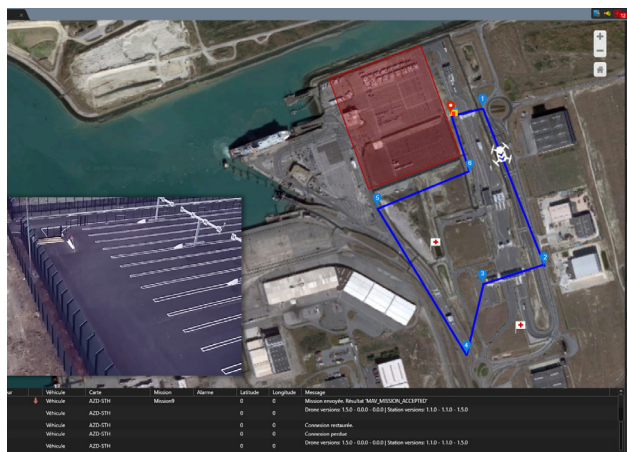


## Application

The last few years, drone technology has been on the rise. From the 1<sup>st</sup> of January 2021, EU regulations will allow flying an autonomous drone in the Netherlands. For surveillance, this drone can regularly fly a pre-programmed path and can be deployed quickly in case of incidents. The total overview is easier with a drone. In the event of a report on the edge of the range of a stationary camera, the drone simply chooses a different position. Therefore, we speak of a flying camera.

## Integration

The operation of a drone takes place from a control room. Operating the system does not require special skills or a drone pilot certification. This allows users to improve their security whilst operation costs remain low. Drones complement existing security systems and can be used to perform specific checks, perimeter patrols, inspections or assist security teams during an intervention.



## Safety

The drone is designed for autonomous flight in a 'geofenced' area, requiring robust security measures. The solutions are solid and well-conceived. The drone utilizes RF AES256 - 4G/5G - LTE connections, is expandable with features such as gas detection and nuclear sensors, is fully integratable into an existing SMS, and is equipped with a parachute to minimize impact in case of a fall. These additions make this drone solution unique.

**For more information, please visit [www.bavak.com](http://www.bavak.com)**

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