



The Nr. 1 for AI-based deterrence systems



## AVES Airport

In aviation, bird control is a safety aspect of central importance. AVES Airport was developed to detect birds fully automatically and to scare them away from sensitive and protected areas. Due to the precise optronic and AI used, it is possible to scare away individual birds or entire flocks at changing weather conditions with event-related directed sound signals.

## Features

- Fully automatic protection of large areas by day, twilight and night
- Sound only at bird flight
- Reliable bird detection through neural network (AI)
- Autonomous operation using ADS-B receiver
- No habitation due to event related deterrence
- Automatic event documentation and analytics
- Mobile operation via web-based app
- Optional species recognition SW-module available
- Low maintenance costs due to proven industrial components





Specification and dimensions AVES Airport	
Length	825 mm
Width	545 mm
Height	1110 mm
Weight	45 kg
Operating conditions	-25 °C to +55 °C Wind load 50m/s (180 km/h)
Power supply	230 V / 16 A
Network	LAN and mobile data interface
Protection class	IP54
Marking	CE

Specifications Pan-Tilt-Zoom-Camera	
Detection	≥ 400 m night ≥ 1000 m day
Pan/tilt	360° / -90° to +90°
Zoom	31x optical zoom
Lens	Horizontal field of view 63,8° - 2,2° Vertical field of view 37° - 1,3°
Resolution	Full HD 1920x1080
IR illumination	850 nm wavelength

Specifications speakers	
Pan/tilt	360° / -45° to +45°
Sound pulse (1 m in front of the sound module)	Adjustable from 0 to 140 dB
Deterrence distance	Adjustable up to 600 m