



AVES Industry for industrial buildings and refineries

Flocks of birds sometimes settle on the roofs of industrial buildings and pipes in refineries and regularly cause damage through the dirt. Cleaning is time-consuming and expensive. AVES Industry was developed to detect birds automatically and deter them from sensitive and protected areas. Due to the precise optronic and AI-based software, it is possible to scare away individual birds or entire flocks 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 based on artificial intelligence (AI)
- Targeted deterrence of specific bird species according to customer requirements
- Mobile operation via a web-based app
- Adjustable sound module with a strongly focused sound beam
- Autonomous system for indoor and outdoor use
- Low maintenance costs due to proven industrial components





Specification and dimensions AVES Industry

Length	825 mm
Width	545 mm
Height	1,110 mm
Weight	45 kg
Operating conditions	-25 °C to +55 °C Wind load 50 m/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 ≥ 1,000 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 sound module

Pan/tilt	360° / -45° to +45°
Sound pulse (1 m in front of the sound module)	Adjustable from 0 to 137 dB(A)
Deterrence distance	Adjustable up to 500 m