

AXIS Perimeter Defender

High-security, scalable perimeter protection

AXIS Perimeter Defender is a highly accurate and scalable video analytics application for intrusion detection, ideal for high-security locations such as power and chemical plants. The application runs in a camera and supports multiple detection scenarios, including zone crossing and loitering, simultaneously. With newer Axis cameras, it can also support burnt-in bounding box metadata overlays in live and recorded video for visual confirmation of detected objects. The system design tool and automatic calibration simplify setup. With a separate license, a fixed camera with AXIS Perimeter Defender can automatically control a PTZ camera to zoom in on and follow alarm objects.

- > **High detection accuracy and reliability**
- > **Multiple detection scenarios**
- > **PTZ autotracking with separate license**
- > **Easy and efficient management**



AXIS Perimeter Defender

Application		Typical applications	Large-scale perimeter protection Intrusion detection, typically used in sterile zones of power plants, chemical plants and other types of critical infrastructure facilities within the industrial, transportation and government sectors
Compute platform	Edge		
Supported devices	Axis cameras and video encoders with support for AXIS Camera Application Platform and compatible firmware ^a	Limitations	Not suitable for areas with large amounts of moving objects for example in public squares or transit areas. Extreme weather conditions or insufficient lighting may disturb detection performance. Correct mounting of camera, calibration, and configuration required. See the user manual for instructions.
Software	PC application included Requires Windows® 7, 8 or 10, Intel Core 2 Duo or later and 2 GB RAM		
Functionality	Automatic and manual device discovery Automatic and manual perspective calibration Visual configuration of detection scenarios Visual confirmation to verify setup Configuration of alarm output and metadata stream Backup/restore of settings Burnt-in metadata overlay ^a AXIS Perimeter Defender PTZ Autotracking (requires separate licence) that enables a fixed visual or thermal camera to take control of a PTZ camera for autotracking ^a	System integration	
Scenarios		Supporting software	PC system design tool included
Detection scenarios	Intrusion Loitering Zone crossing Conditional zone crossing Multiple concurrent scenarios supported	Event integration	Integrates with camera event management system to enable event streaming to video management software and camera actions such as I/O control, notification, edge storage and more.
Settings	Person/vehicle differentiation Detection sensitivity Crouch/crawl detection Log roll detection Headlight mitigation	Event streaming	Optional integration modules available for Milestone XProtect® and Genetec™ Security Center. Additional video management software licenses may be required. Includes support for dynamic event streaming for integration with other video management software.
		General	
		Languages	English
		a. Applicable only for supported products. For a complete list of supported products, go to axis.com/products/axis-perimeter-defender	
		Environmental responsibility: axis.com/environmental-responsibility	