

AXIS Cross Line Detection

General purpose tripwire application



- > Reliable indoor and outdoor detection
- > Easy configuration
- > Configurable object direction

AXIS Cross Line Detection is a tripwire application installable on Axis network cameras and video encoders. The application detects moving objects that cross a virtual line, making it possible to automatically trigger an event. AXIS Cross Line Detection will increase system efficiency by reducing bandwidth and storage needs, and it facilitates search of recorded events.

AXIS Cross Line Detection is an application especially suitable for general entrance and exit detection in low-traffic areas. It detects objects such as persons and vehicles that cross a defined virtual line.

The application will work in most indoor and outdoor installations and in variable lighting conditions. It is well suited for many situations, including video monitoring of building entrances, loading docks, and parking lots.

AXIS Cross Line Detection is easy to configure. A virtual line is positioned in the camera's live view and the detection direction is set. Once placed in the image there is no need for further adjustments.

The real time visual confirmation validates in an easy way that the application detects objects correctly. AXIS Cross Line Detection integrates with the camera's internal event manager enabling various system notifications.

Technical specifications – AXIS Cross Line Detection

Compatible products		Camera considerations	
Models	Axis fixed network cameras and video encoders that support AXIS Camera Application Platform Complete list at www.axis.com	Lighting conditions	Dependent on camera light sensitivity
Setup and configuration		Camera placement	45 - 90° angle to object direction
Setup	Web interface camera/encoder	System integration	
Configuration	Web interface camera/encoder* *Requires Windows and Internet Explorer	Camera	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, etc.
Application settings		Application Programming Interface	Open API for software integration, including the ONVIF specification available at www.onvif.org , as well as VAPIX® from Axis Communications, specifications available at www.axis.com
Line setup	Virtual line setup with one or two segments	General	
Object direction	One-way or two-way	Language	English
Verification of setup	Visual confirmation	Licenses	Cross Line Detection licenses for 1, 10 or 50 cameras
Scenarios			
Typical applications	General low-traffic areas such as building entrances, loading docks, parking lots		
Limitations	Weather conditions such as heavy rain or snow may affect detection accuracy		

More information is available at www.axis.com

