# 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.

## A1 SECURITY CAMERAS
### The First Name in Security

45537/EN/R2/1202

# Technical specifications – AXIS Cross Line Detection

## Compatible products

| | |
|---|---|
| **Models** | Axis fixed network cameras and video encoders that support AXIS Camera Application Platform<br>Complete list at  www.axis.com |

## Setup and configuration

| | |
|---|---|
| **Setup** | Web interface camera/encoder |
| **Configuration** | Web interface camera/encoder*<br>*Requires Windows and Internet Explorer |

## Application settings

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|---|---|
| **Line setup** | Virtual line setup  with one or two segments |
| **Object direction** | One-way or two-way |
| **Verification of setup** | Visual confirmation |

## 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 |

## Camera considerations

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|---|---|
| **Lighting conditions** | Dependent on camera light sensitivity |
| **Camera placement** | 45 - 90° angle to object direction |

## System integration

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|---|---|
| **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 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 |

## General

| | |
|---|---|
| **Language** | English |
| **Licenses** | Cross Line Detection licenses for 1, 10 or 50 cameras |

**More information is available at www.axis.com**

## System setup



Event stream

Recording

Notification

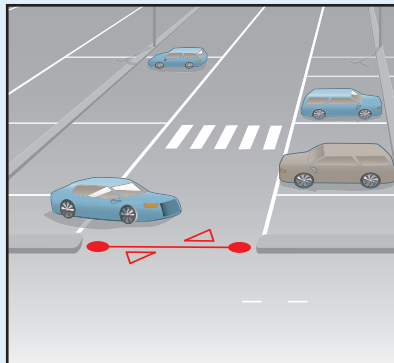I/O Control
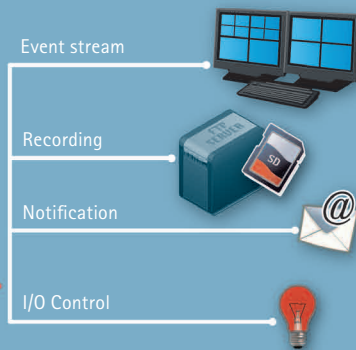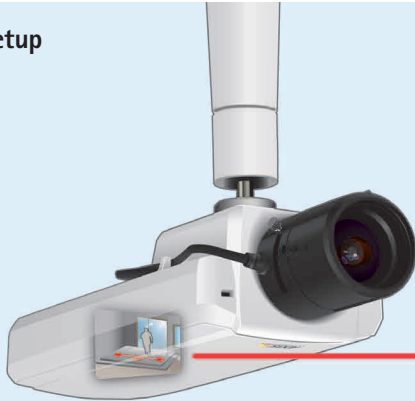
## Typical application areas

Entrances
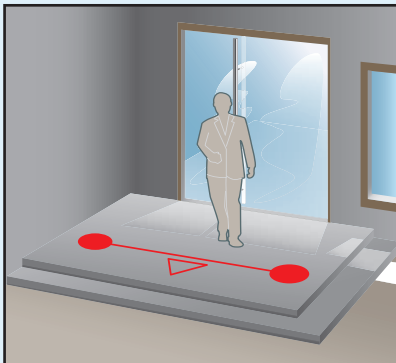
Parking lots

Building sites

## AXIS®
### COMMUNICATIONS