AXIS Cross Line Detection
General purpose tripwire application

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

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

Setup and configuration

**Setup**
Web interface camera/encoder

**Configuration**
Web interface camera/encoder*
*Requires Windows and Internet Explorer

Application settings

**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

System integration

**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

Typical application areas

- **Entrances**
- **Parking lots**
- **Building sites**

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