

intuVision's Cisco camera embedded applications provide intelligent video analytics directly in the surveillance camera without the need for additional hardware for analytics processing.

The camera embedded analytics include detection of general **Activity**, **LineCrossing**, **ObjectTaken**, **WrongWay**, and **ZoneIntrusion**. All camera applications are suitable for outdoors and indoors camera views with light to medium foot or vehicle traffic. intuVision camera applications detect and track moving objects in the camera view, such as vehicles or people. They are easily setup via a web user interface and generate alarms when particular event conditions occur; such as a person entering into the specified zone or a vehicle crossing the user-drawn line.

When an alarm condition is detected the application sends a trigger to the camera software to generate events and various actions. Please refer to the Cisco camera user guide for more details about supported actions and configurations.



# Camera Application Descriptions

## Activity

Activity application detects moving objects within a user-drawn rectangle in the camera view. Activity can be used to detect trespassing, presence of moving objects in the selected area whether it is people around a store display or a vehicle in a docking zone. The “zone” to monitor activity or the exclusion zones are specified via settings.



## LineCrossing

Line Crossing application detects moving objects passing across a user-drawn line in the camera view. LineCrossing can be used to monitor foot or vehicle traffic and to count people and vehicles entering and exiting an area. The crossing direction can be specified to detect objects moving left-to-right, top-to-bottom, both-ways etc., as well as an object crossing the line fully or partially.



## ObjectTaken

ObjectTaken camera application detects a marked object in the camera view being removed from its location. ObjectTaken can be used to protect valuable assets such as art, wall-monitors, or other stationary valuables in the camera field of view.



## WrongWay

WrongWay application detects objects moving in the direction of the user drawn arrow in the camera view. WrongWay can be used to detect vehicles moving against the allowed flow in a parking area.



## ZoneIntrusion

ZoneIntrusion camera application detects objects entering into a user-drawn zone in the camera view. Zone Intrusion can be used to detect and count people entering or exiting a building or intruding into a marked area, as well as vehicles violating a restricted area.



# Camera Applications Technical Specifications

## Compatible Cameras, Integrated Devices and Systems

<i>Supported Cisco IP Camera Models</i>	<i>Minimum Firmware Version</i>
CIVS-IPC-283x	2.0.0 - 175
CIVS-IPC-3xxx	2.0.0 - 175
CIVS-IPC-6xxx	2.0.0 - 175
CIVS-IPC-6930	2.0.0 - 175
CIVS-IPC-7xxx	2.0.0 - 175

## Configuration and Settings

Flexible configuration via web interface, requires Windows and IE.

Language: English.

### **Object Detection Settings**

Sensitivity (*percent detection sensitivity*)

Minimum Object Size (*height and width in pixels*)

Minimum Object Age (*in view in seconds*)

Minimum distance moved (*by an object in pixels*)

### **Event Settings**

Time Interval (*between events in seconds*)

Area Excluded (*from event detection, for Activity*)

Line-Crossing direction (*right, left, top, bottom, bi-directional*)

Multiple Asset Zones (*ObjectTaken*)

Minimum Removal Time (*an object is taken away in seconds, for ObjectTaken*)

## View Specifications

Camera view angles 90-45 degrees

Top view: 90 -70 degrees

Side view: 45-69 degrees

Field-of-view range: 10ft.- 150ft. for people, 50ft.- 250ft. for vehicles (distances should be validated upon installation)

## Application Limitations

Scene lighting limitations are dependent on the camera used, please refer to the specific Cisco camera user guide for more details.

Camera Applications are not recommended for use in very busy areas. Weather conditions such as rain and snow may degrade the camera applications' detection accuracy.

