

Insects causing false alarms with IVA and Infrared Imagers

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Issue Severity:



High: Act immediately



Medium: Bosch Security Systems strongly recommends you take the action(s) described below.



Low: Advisory

Products Affected:

- IVA 3.5 with Extreme Series Infrared Imagers

1.0 Issue

When running IVA 3.5 on any Bosch Extreme series Infrared (IR) imagers, false alarms may occur due to insects flying into the Field of View (FOV).

2.0 Resolution

The following guidelines may help reduce the number of false alarms (assuming a human sized target object):

- Calibrate the scene properly (refer to IVA 3.5 *Configuration Manual*).
- When adding Tasks, create a <New field> or <New line> and set a debounce time of at least 1 second (time object needs to be in field or past line before alarm is triggered), do not select <Whole screen>. Select only the area of concern using <New field>. (This will minimize the area in which IVA monitors for movement)
Use 'Crossing line' if possible instead of 'Object in field.' (Further defines alarm parameters)
- Define the conditions appropriately as follows:
Object Area: Minimum = 0.1; Maximum = 5 (only monitors for human to small vehicle sized objects)
Speed: Minimum = 0; Maximum = 12 (only monitors for objects moving no faster than the average human jogging speed)
- Select the following Global Settings:
Image stabilization (compensates for minor camera movement)
Enhanced separation (optimizes detection and separation of objects)

The suggestions above are a starting point, as every situation is different and will require fine-tuning.