

D-TECT IP alarm integration with Milestone Xprotect



Introduction

Network based surveillance systems with IP cameras steadily increases in popularity as it allows for better image quality, remote setup and easy integration in existing networks. Moreover, it allows remote monitoring centres to take care of the surveillance.

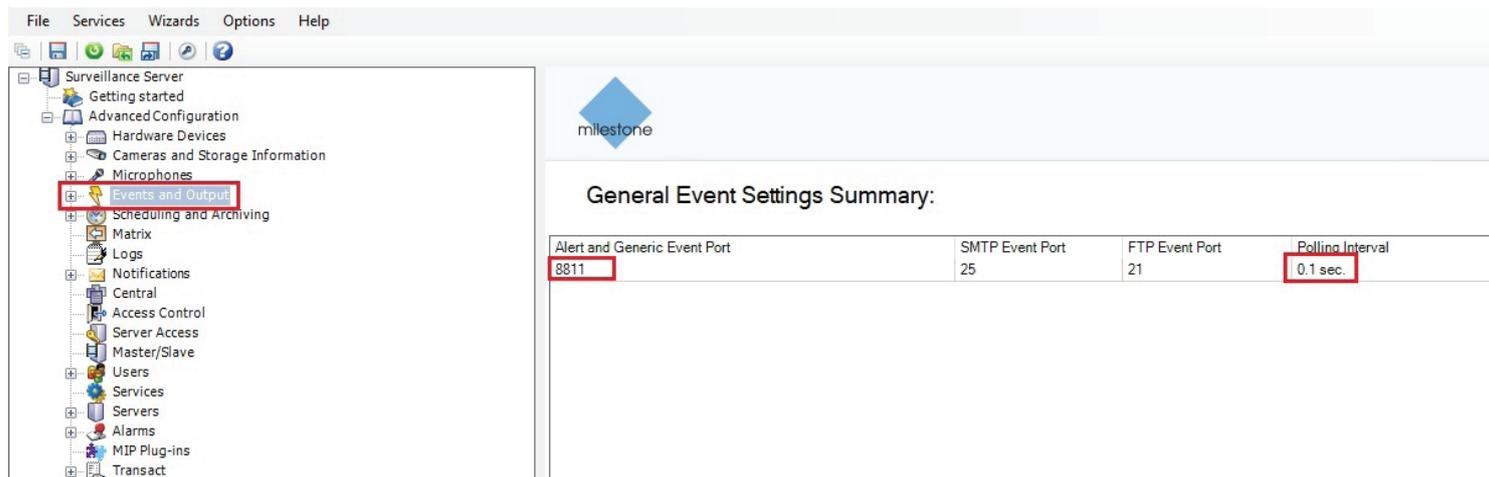
Modern surveillance systems also require modern sensors. GJD produces unique IP enabled outdoor detectors with network connection for direct integration with video management software (VMS) and other equipment. In case of alarm the sensor sends a network call to the VMS server for instant recording of the nearest camera or to automatically notify security personnel. Unlike relay based sensors GJD's IP sensors are able to send many different alarm messages depending on event, without need for extra cable installation.

This paper describes how to integrate GJD's D-TECT IP products with the Milestone XProtect VMS software.

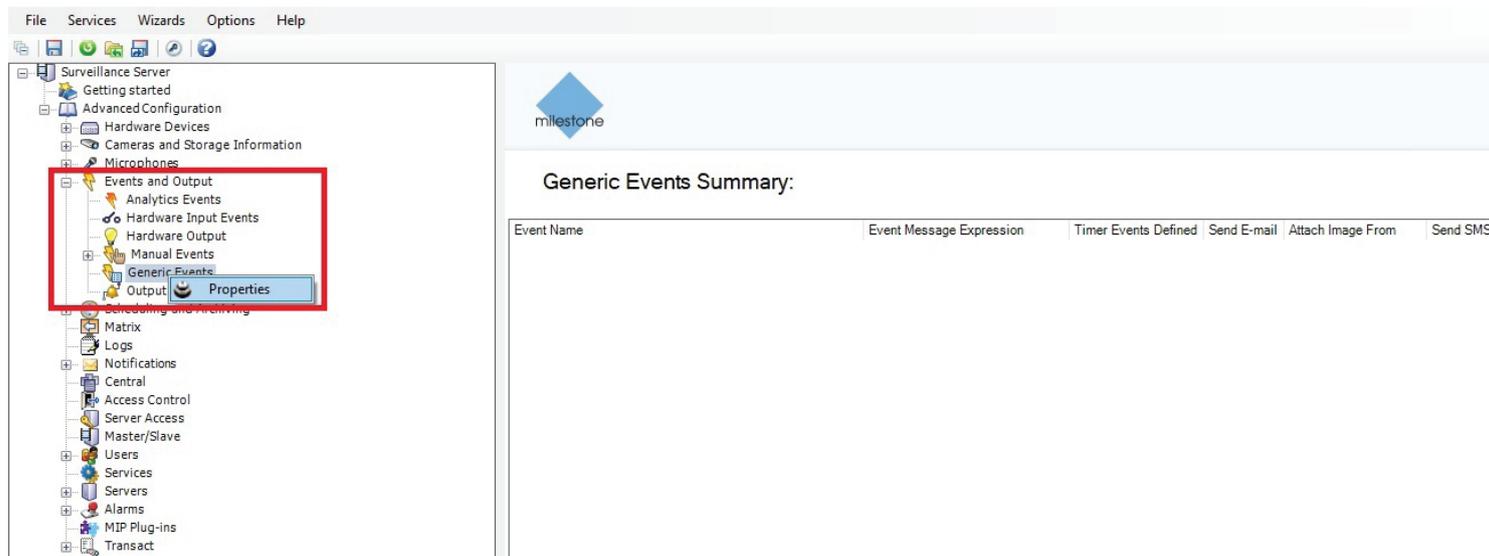
Configure Events

This section describes how to set up Milestone Xprotect in order to receive network alarms for connected D-TECT IP units.

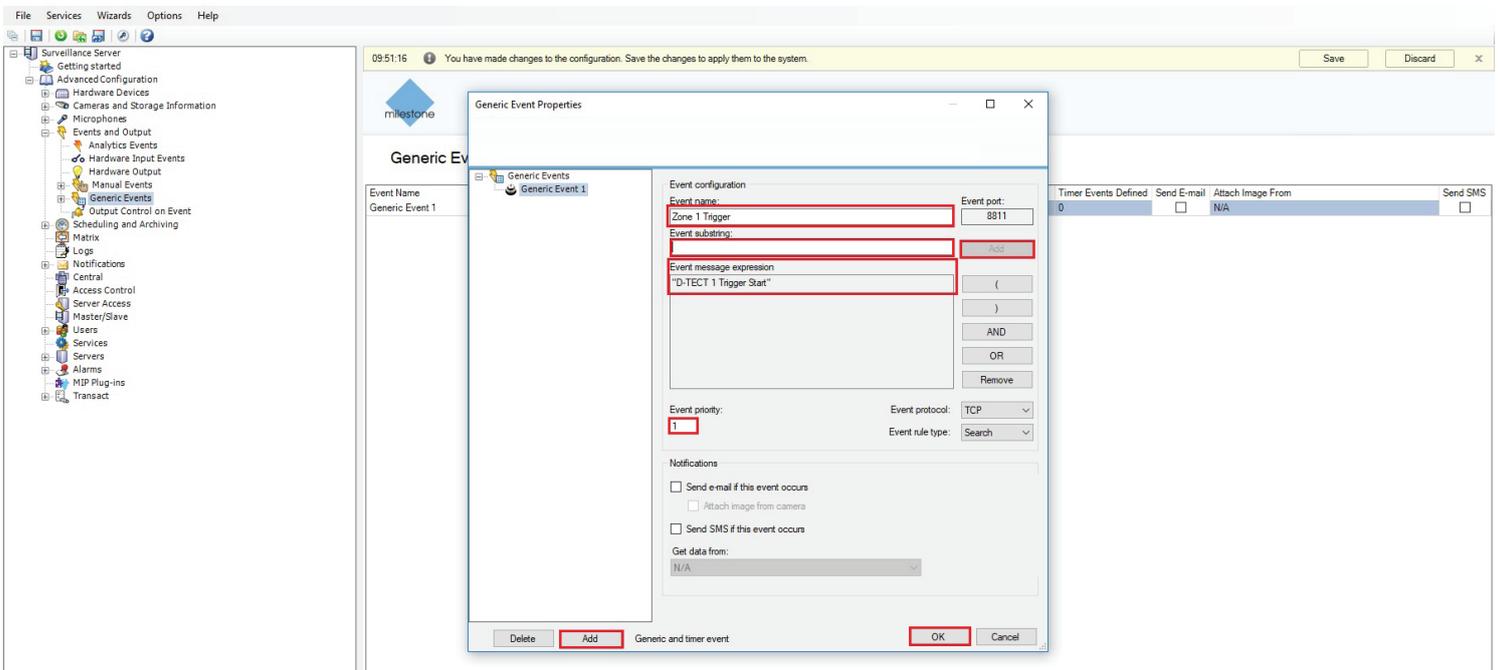
1. Start Xprotect Management Application
2. Open the Events and Output section to show general event settings
3. Click on Alerts and Generic Event Port and set desired port number. In this example port 8811 is used
4. Click on Polling Interval and set to 1/10s to get the quickest reaction time



5. In the left menu, right click on Generic Events and click on Properties. A popup window appears.



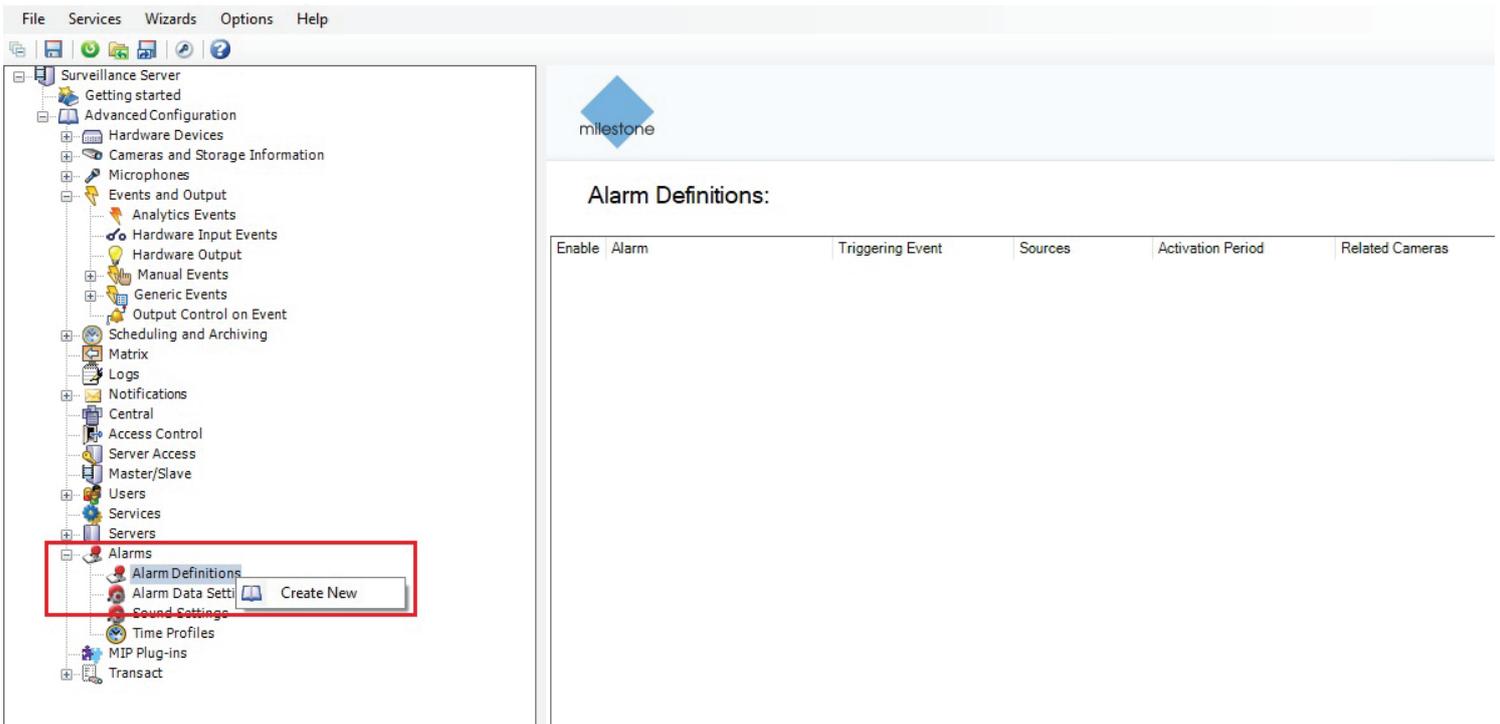
6. Click the add button on the popup box
7. Enter a descriptive name in the Event Name field, for example, "Zone 1 Event"
8. Enter a unique sub-string in the Event sub-string field and press the Add button. The sub-string must be unique for each event and should also describe the function, for example "Zone 1 Start"
9. Set event priority (1-3) in the Event Priority field
10. Finish by pressing the OK button



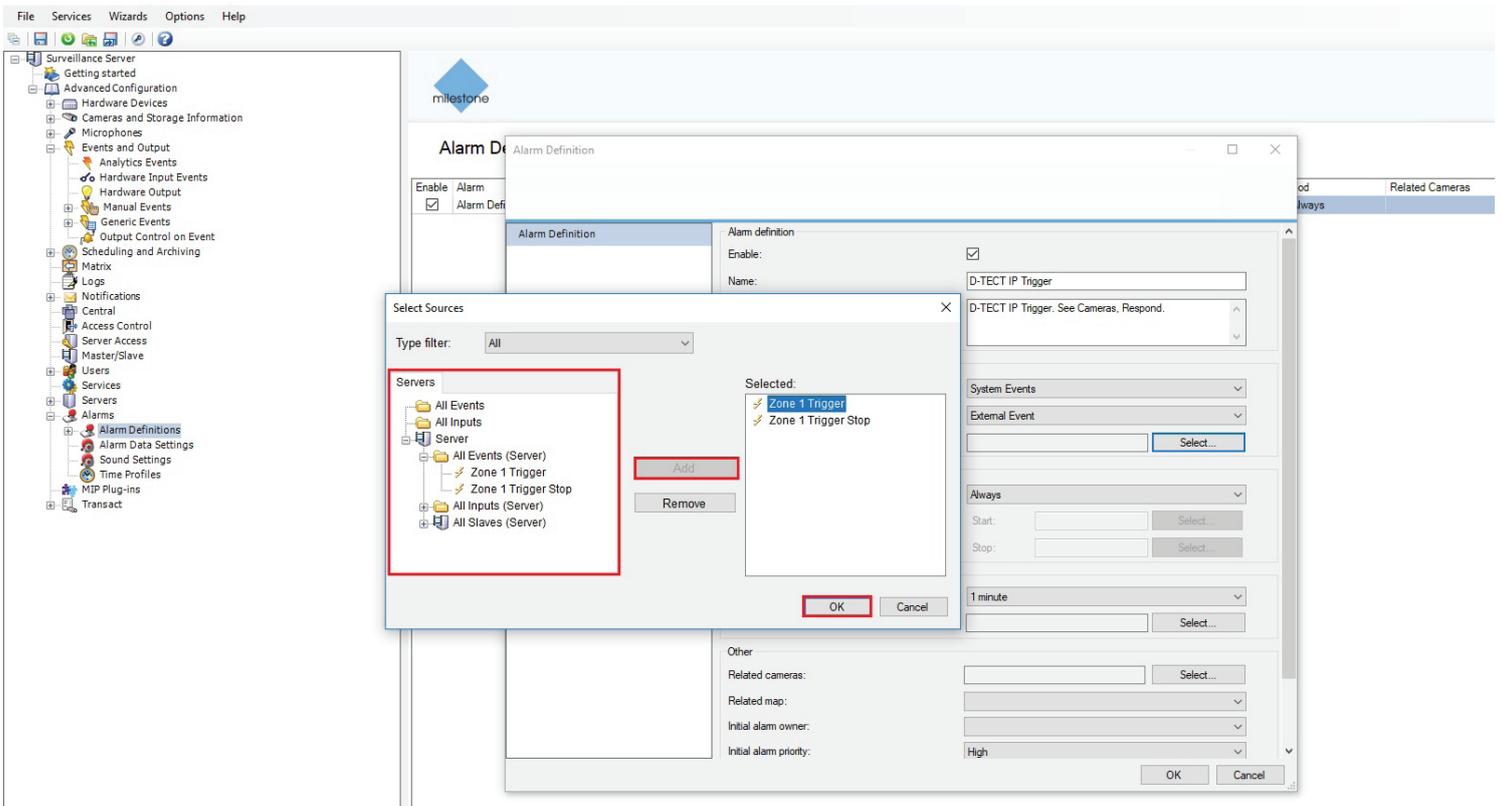
11. Repeat above to create a stop event for the zone
12. Create start and stop events for each zone in the area

Create Alarms

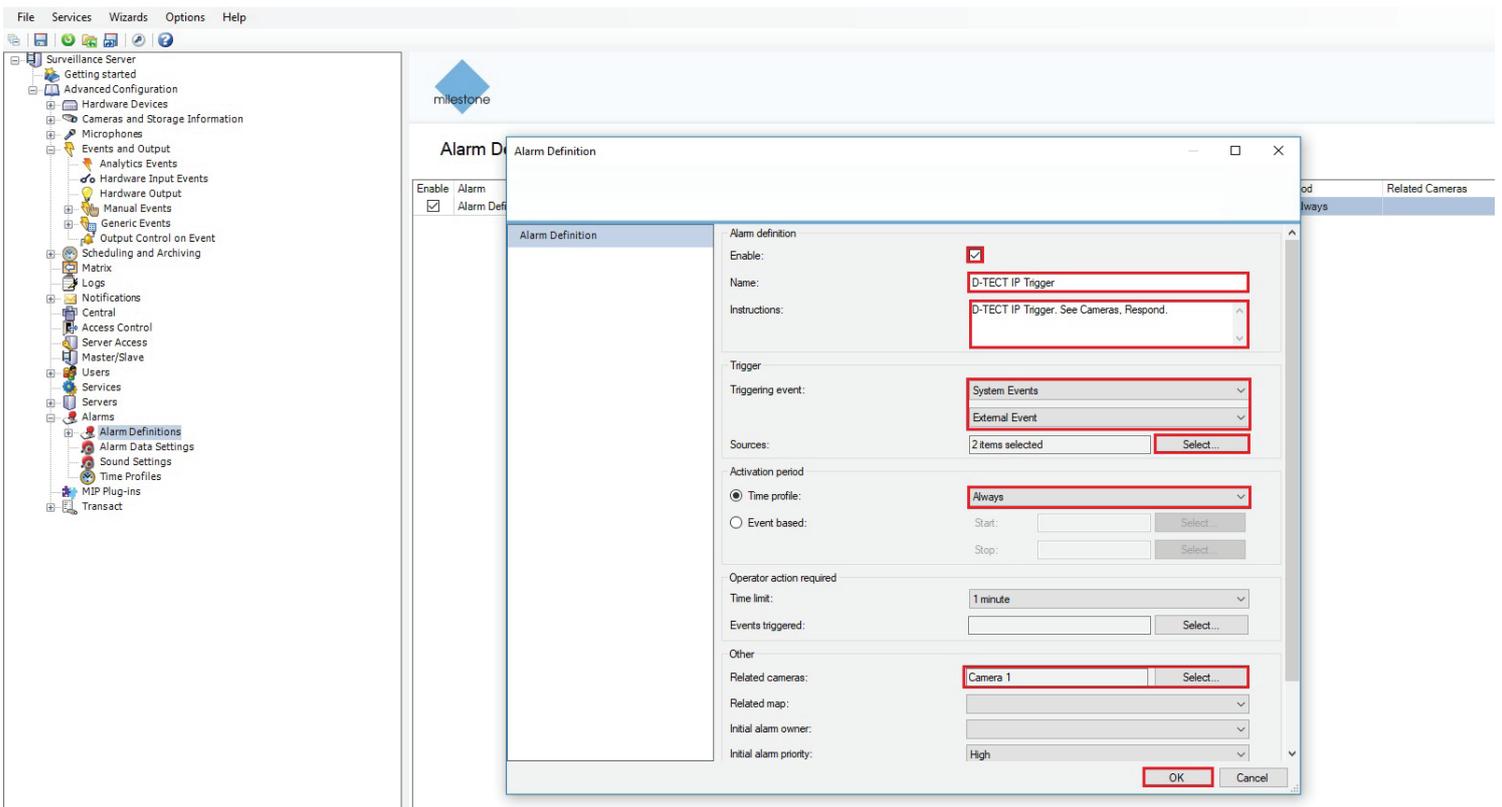
1. In the left menu, right click Alarm Definitions and choose Create New.
A popup window appears



2. In the Alarm Definition field, enter an alarm name and description and make sure the alarm is enabled
3. Set Triggering event to "System Event" in the drop-down menu and then choose "External Event" below that.
4. Choose trigger source(s) for the alarm by pressing the select button. A new popup appears
5. Find the zone start events created earlier and add one or more to the alarm. Finish by pressing OK button



6. Set desired activation period
7. Related cameras can be set for notifications in the client window
8. Save the alarm by pressing OK button



D-TECT IP Action Setup

1. Add and event with the desired settings and limitations
2. Press Add action
3. Choose Milestone VMS in the drop-down menu. A pop-up is shown
4. Enter the Milestone server IP, Generic event port, start event sub-string and stop sub-string

D-TECT IP

Events enabled: Events disabled: Add event

Milestone (PIR detection) Edit Remove

Milestone Test Remove Edit Add action

Edit action

Action type: Milestone VMS

Milestone server IP: 192.168.0.44

Generic event port: 8811

Start event substring: D-TECT 1 Trigger Start

Stop event substring: D-TECT 1 Trigger Stop

Cancel Save action

5. Press Save action

Milestone XProtect Smart Client 2016 R2 21/02/2018 10:50:04

Live Playback Sequence Explorer Alarm Manager

No map has been selected

Camera 1 - 21/02/2018 10:50:00.576

02-21-2018 Wed 11:50:00

20 10:30 21/02/2018 10:50:00.635 11:10 11

Alarms	Time	Priority Level	State Level	State Name	Message	Source	Owner	ID
Quick Filters								
▼ New (9)	10:49:58 21/02/2018	1	1	New	External Ever	Zone 1 Trigger		18
▼ In progress (1)	10:49:40 21/02/2018	1	1	New	External Ever	Zone 1 Trigger Stop		17
▼ On hold (0)	10:49:28 21/02/2018	1	1	New	External Ever	Zone 1 Trigger		16
▼ Closed (0)	10:48:56 21/02/2018	1	1	New	External Ever	Zone 1 Trigger Stop		15
	10:48:43 21/02/2018	1	1	New	External Ever	Zone 1 Trigger		14
	10:47:31 21/02/2018	1	1	New	External Ever	Zone 1 Trigger Stop		13
Servers	10:47:18 21/02/2018	1	1	New	External Ever	Zone 1 Trigger		12
Server	10:45:33 21/02/2018	1	1	New	External Ever	Zone 1 Trigger Stop		11
	10:45:20 21/02/2018	1	4	In progress	External Ever	Zone 1 Trigger	LAPTOP-	10
	10:43:09 21/02/2018	1	1	New	External Ever	Zone 1 Trigger Stop		9
	08:55:36 14/02/2018	1	1	New	External Ever	D-TECT IP 1		8
	15:10:05 13/02/2018	1	1	New	External Ever	D-TECT IP 1		7
	15:09:01 13/02/2018	1	1	New	External Ever	D-TECT IP 2		6
	14:59:10 12/02/2018	1	1	New	External Ever	D-TECT IP 1		5