



# Milestone: XProtect Module

## Module Overview

Integrates with Milestone: XProtect VMS allows you to listen for alarms, trigger alarms, and bookmark video.

## Configuration & Setup

Ensure the module is uploaded to the gateway. If it isn't, it can be done by downloading the config, adding the module's binary to the autoload.d folder, then zipping and reuploading the config.

Configure the module:

## Configure Module

Name

Milestone: XProtect

The username of the Milestone XProtect agent.

The password of the Milestone XProtect agent.

The host of Milestone XProtect.

☐ Whether to use HTTPS.

Milestone: XProtect

CANCEL

SAVE

In the office you can use the following configuration settings:

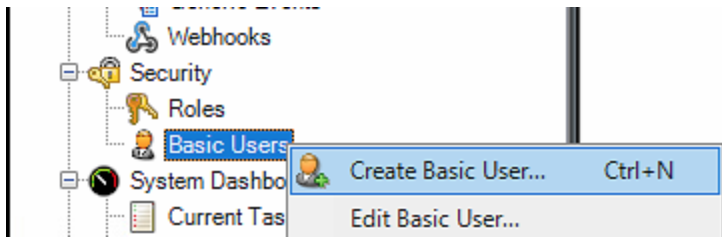
- username: teldio
- password: Radio5980!
- host: 192.168.217.202
- https: true

## Setting up Milestone XProtect

### Creating a User

In the XProtect Management Client

Right-click on “Security” > “Basic Users” and select “Create Basic User...”

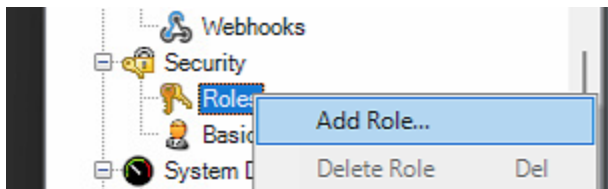


Provide a username and password for the new user. Uncheck “Force Basic User to change password on next login” and accept the subsequent warning by clicking “Allow”.

## Creating a Role

In the XProtect Management Client

Right-click on “Security” > “Roles” and select “Add Role...”



Provide a name and description (optional) for the role.

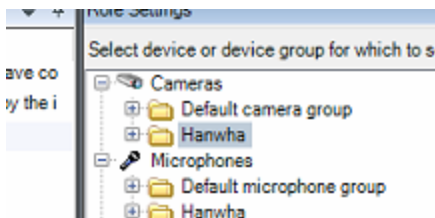
If it isn't already selected, click the role you just created.

## Add bookmark permissions

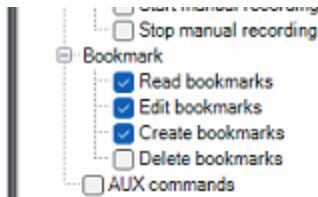
Click “Devices” using the tabs at the bottom of the right pane.



At the top of the right pane, select the Device Group (folder) or device that you would like to set permissions for.



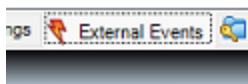
Then select Read, Edit, and Create for bookmarks.



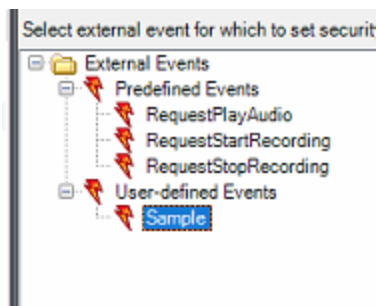
## Add External Events Permissions

If you need to use external events for triggering alarms the user needs permissions for external events

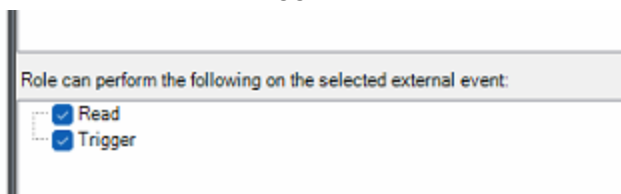
Click “External Events” using the tabs at the bottom of the right pane.



At the top of the right pane, select the Event that you would like to set permissions for.



Then select Read and Trigger in the pane below.

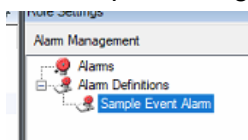


## Add Alarms Permissions

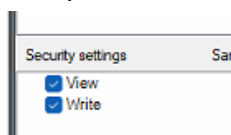
Click “Alarms” using the tabs at the bottom of the right pane.



At the top of the right pane, select the Alarms that you would like to set permissions for.



In the pane below, select View and Write

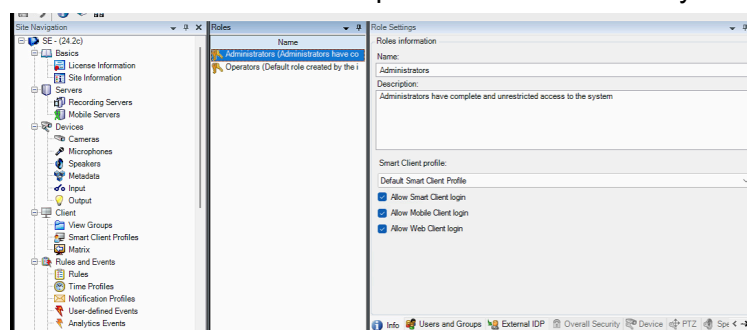


## Assign a Role

In the XProtect Management Client

Click on “Security” > “Roles” in the left pane.

Select the role in the middle pane titled “Roles” that you would like to assign a user to.



Click “Users and Groups” at the bottom of the right pane.

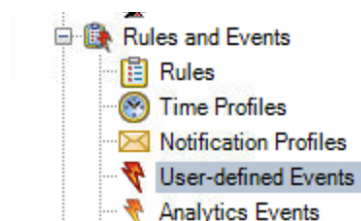
Click “Add...” and select “Basic User”.

Make sure the user you created is checked and click “OK”.

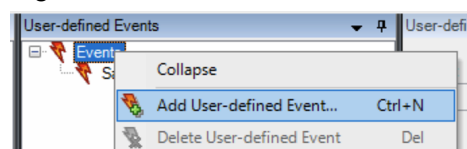
## Creating a User Defined Event

In the XProtect Management Client

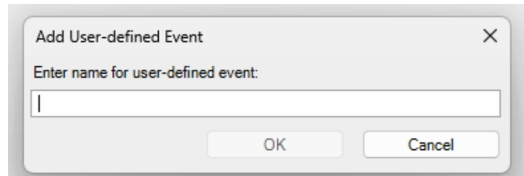
Click on “Rules and Events” > “User-defined Events” in the left pane.



Right-click on “Events” in the middle pane, then click “Add User-defined Event...”



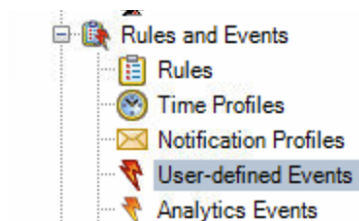
Provide a name for your new event and click OK.



## Trigger a User Defined Event

In the XProtect Management Client

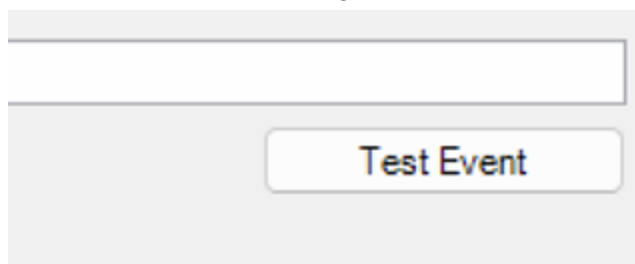
Click on “Rules and Events” > “User-defined Events” in the left pane.



Select the event that you want to trigger in the middle pane



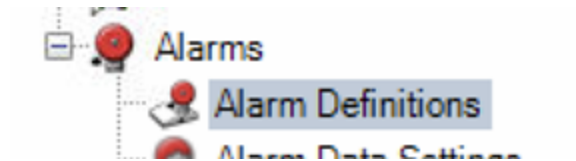
Click “Test Event” in the right pane



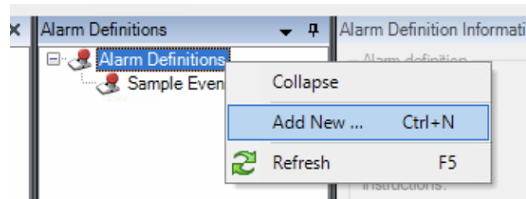
## Creating an Alarm Definition

In the XProtect Management Client

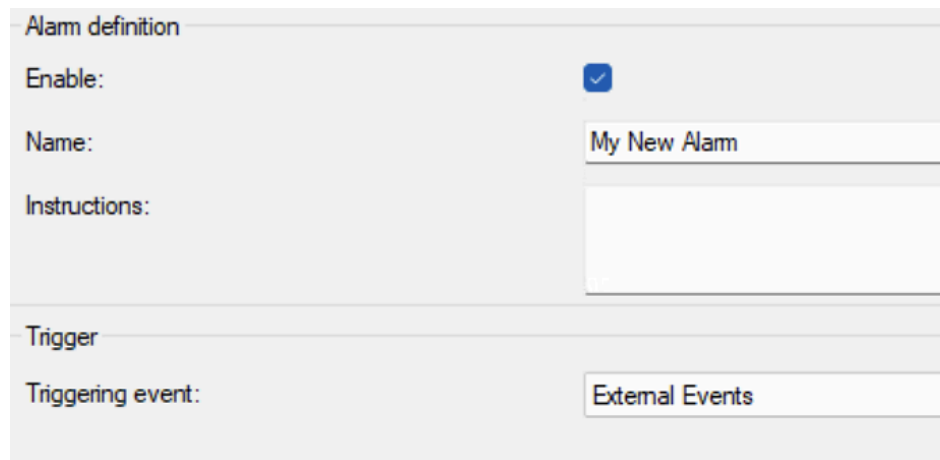
Click “Alarms” > “Alarm Definitions” in the left pane



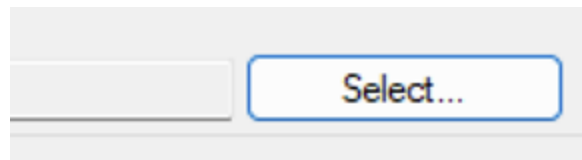
Right-click “Alarm Definitions” in the middle pane. Then click “Add New...”



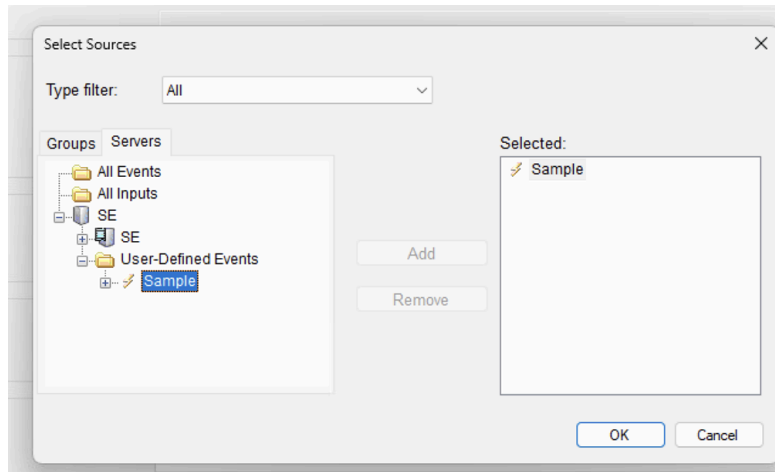
Ensure the new alarm is Enabled, provide a name for the alarm, and select “External Events” as the Triggering Event.



Click “Select” beside the “Sources” input



In the dialog click the “Servers” tab and find the user-defined event. Select it and click “Add”. Then click “OK” when you are done.



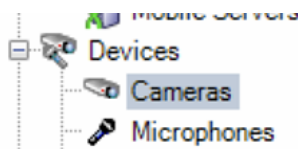
When you are done, click “Save” in the top left corner above the left pane.



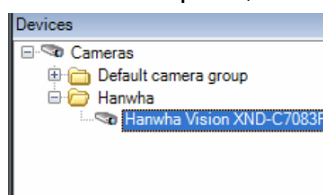
## Set a short name for a camera

In the XProtect Management Client

Click “Devices” > “Cameras” in the left pane



In the middle pane, find the camera that you want to edit and click on it.

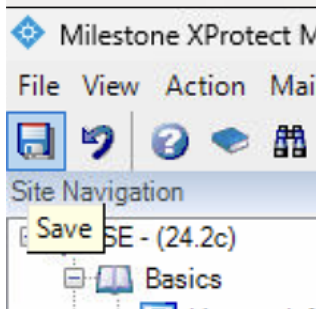


In the right pane, fill in the “Short Name” for the camera.



Device information	
Name:	Hanwha Vision XND-C700
Short name:	Camera1
Description:	

Click save in the top left corner above the left pane



## Setting up Behaviors in TEG

Using the TEG to react to an event that occurred in XProtect

Set up the Trigger as follows

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### Trigger

Choose the event that will trigger this behavior

Module

Milestone: XProtect

Event

XProtect Alarm Triggered

Fill out the rest of the behavior as required

In the XProtect Management Client you can trigger the event as shown in [Trigger a User Defined Event](#).

## Using the TEG to raise an alarm in XProtect

Set up the trigger and filter as desired.

Then set up the action

**Action**

Choose the action to take

Module

Milestone: XProtect

Event

Trigger an alarm

When configuring the action the only requirement is that you provide the name of a camera or user-defined event as the source. You can use the short name of the camera if you have [set it up](#).

**Configure Action**

Configure the fields for the action

Set **Name of source** (must be the name of a Camera or User Defined Event) to:

Camera1

Set **Name of alarm** to:

Fire

Set **Message of alarm** to:

In Location

Data from Trigger

Click to enter into current field

text

code

Once the behaviour is set, trigger the behaviour by whatever means you configured. Then you should see the alarm in XProtect Smart Client. Use the tabs at the top to navigate to “Alarm Manager”. Then you should see the alarm that was raised in the list.

Alarms <span>New (filter applied)</span> <span>Clear filter</span>								
Time	Priority Level	State Level	State Name	Message	Source	Owner	ID	
4:57:36 PM 2025-03-21	1	1	New	In Location	Sample		127	
4:53:41 PM 2025-03-21	1	1	New	In Location	Harwha Vision XND-C7083		126	
4:47:30 PM 2025-03-21	1	1	New	Alarm Event	Sample		125	

## Using the TEG to create a bookmark in XProtect

Set up the trigger and filter as desired.

## Then set up the action

☒
**Action**  
 Choose the action to take

Module   
 Milestone: XProtect

Event   
 Add bookmark

When configuring the action you can set the “Name” and “Description” to anything you’d like. Also provide a camera name or shortname and the duration of the window of time that you would like to bookmark. For example, if the action is triggered at 3:00:13PM, given a window of 2 the bookmark will last of 2 minutes, starting at 2:59:13PM and ending at 3:01:13PM.

☒
**Configure Action**  
 Configure the fields for the action

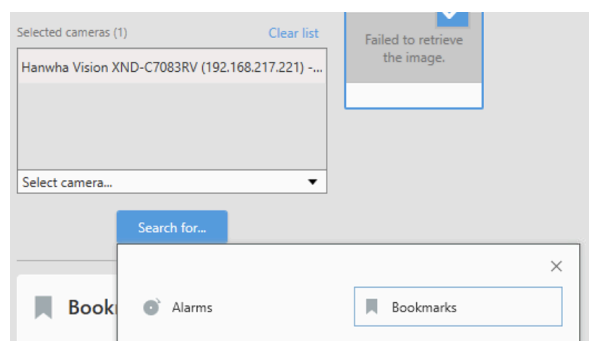
Set **Name** to:

Set **Description** to:

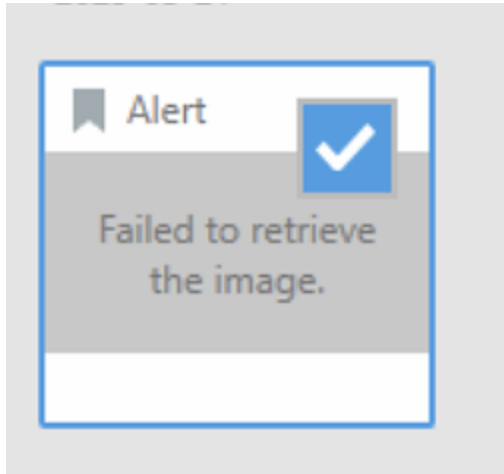
Set **Camera name or shortname** to:

Set **Window around which to bookmark (in minutes). Given "6", the bookmark will be set to 3 minutes before and after this event.** to:

Once the behaviour is set, trigger the behaviour by whatever means you configured. Then you should see the bookmark in XProtect Smart Client. Use the tabs at the top to navigate to “Search”. Select the camera you added the bookmark to, click “Search for...”, then click “Bookmarks”.



You should then see the new bookmark and you can click it for more information.



Details		
Location		
<div> <div>Alert</div> </div>		
Camera name	Event time (Bookmarks)	Start time
Hanwha Vision XND-C7083RV (192.168.217.221) - Camera 1	2025-03-21 5:18:01.000 PM	2025-03-21 5:17:01.000 PM
End time	Added by	Bookmark ID
2025-03-21 5:19:01.000 PM	[BASIC]\teldio	no.000012
Description	Headline	
Some event	Alert	