

How to Configure IVS Function in Milestone

[Prerequisite]

Milestone Version:Milestone XProtect Advanced VMS Products 2017 R1 (11.1.1)Milestone Device Pack Version:9.3.9.0

[Purpose]

We have several types of IVS events like Tripwire / Intrusion etc. This document shows how you could configure these IVS events in Milestone.

Before you apply below steps, please make sure that at least one Dahua Camera added

into Milestone and live video could be displayed properly. Please also aware that the configuration process of event "Intrusion started" would be shown as an instance (the configuration process of remaining IVS events like Tripwire / Intrusion etc. are exactly the same).

Step 1: Click "Cameras" item under "Devices" section:



Step 2: Please see below screenshot marked with number 1-6

- 1. Click "Events" button under the "Properties" box
- 2. Click "Add" button
- 3. Select the event "Intrusion started"
- 4. Click "OK" button



5. The "Intrusion started" item appears

▼ ₽	Properties	↓ ₽ ₽
Select Driver Event Abandoned object event started Defocus Start Defocus Stop Face Appearing Face Disappearing Fire Detection Started event Fire Detection Started event Fire Detection Started event Fire Detection started Line cross started Loitering detection event started Loitering detection event started Loitering detection event stopped 4 OK Cancel	Configured events: Intrusion started 5 6 Enabled Enabled Enabled Enabled Enabled Examples Ex	e ants Client E Pri () > >

Step 3: Please see below screenshot marked with number 1 & 2:

- 1. Click "Rules" under section "Rules and Events" located on the Main Panel
- 2. Click "Yes" button on the pop-up window

Matrix	
🖻 🚯 Rules and Events	Milestone XProtect Management Client 2017 R1
Rules 1	
- 😁 Time Profiles	Do you want to save changes?
- 🖂 Notification Profiles	
🛛 💎 User-defined Events	
🔫 Analytics Events	
Generic Events	The Cancel
🖨 🐗 Security	

Step 4: Please see below screenshot marked with number 1 & 2:

- 1. Right click the "Rules" under Rules box
- 2. Click "Add Rule..." on the menu





Step 5: The configuration of a particular IVS rule

Please see below screenshot marked with number 1 & 2:

- 1. Name your new rule (here as "Intrusion Dahua")
- 2. Click "event"

Manage Rule	
Name:	Intrusion - Dahua 1
Description:	
Active:	\checkmark
	Step 1: Type of rule
Perform an action on <event> Perform an action in a time interval</event>	
Edit the rule description (click an underlined item) Perform an action on event 2 from devices/recording server/management server	
Help	Cancel < Back Next > Finish

On the pop-up window "**Select an Event**" Please see below screenshot marked with number 1-4:

- 1. Double click "Events"
- 2. Double click "Devices"
- 3. Double click "Configurable Events"
- 4. Scroll down and find the item "Intrusion started" item



Select an Event		x
Events	Abandoned object event started Abandoned object event started Abandoned object event stopped Adaptive motion event stopped Anti-Masking Output Start Anti-Masking Output Stop Anti-Rotating Output Stop Anti-Rotating Output Stop Archiving Failed Audio Falling Audio Falling Audio Rising Auto tracker event started Auto tracker event stopped Camera Shifted DayNightModeFalling DayNightModeFalling	4
	OK Cancel	

Please see below screenshot marked with number 1 & 2:

- 1. Select "Intrusion started"
- 2. Click "OK" button

Select an Event	House 1. Tagge of realize	×
······································	Feed Overflow Stopped (HW)	
	Fire Detection Started event	
	Fire Detection Stopped event	
	Illegal Access	
	Images Received	
	Input Activated	
	Input Changed	
	Input Deactivated	
	Intrusion started	-
	Intrusion stopped	=
÷	Line Counter A	
	Line Counter B	
,	Linked Event Falling	
,	Linked Event Rising	
,	Loitering detection event started	
,	Loitering detection event stopped	
	Low Battery Output Start	
	Master Alarm Start	
4	Master Alarm Stop	
	Motion Started (HW)	
	Motion Stopped (WW)	-
	2 OK Cancel	



Please see below screenshot marked with number 1 & 2:

- 1. We can see it's showing "Perform an action on Intrusion started"
- 2. Click "devices/recording server/management server"

Manage Rule		
Name:	Intrusion - Dahua	
Description:		
Active:		
	Step 1: Type of rule	
◎ Perform an action o ● Perform an action i:	n «event» n a time interval	
Edit the rule description (click an underlined item) Ferform an action on Intrusion started 1 from devices/recording server/management server 2		
Help	Cancel (Back Next >	Finish

The pop-up window "**Select devices and groups**" appears Please see below screenshot marked with number 1-4:

- 1. Click "All cameras"
- 2. Click "Add" button
- 3. "All cameras" appears under Selected box
- 4. Click "**OK**" button



Select devices and groups	X
Device Groups Recording Servers	2 Add Remove
	4 OK Cancel

Please see below screenshot marked with number 1 & 2:

- 1. We can see it's showing "from All cameras"
- 2. Click "**Next >**" button

Name: Description:	Intrusion - Dahua
ctive:	
	Step 1: Type of rule
Edit the rule de	escription (click an underlined item)
Edit the rule de Perform an actio from All c	escription (click an underlined item) on on <u>Intrusion started</u> <u>cameras</u> 1
Edit the rule de Perform an actio from All c	escription (click an underlined item) on on Intrusion started cameras 1 2



Please see below screenshot marked with number 1-5:

- 1. Tick the entry "Day of week is <day>"
- 2. Click "days"
- 3. Tick all from "Monday" to "Sunday" under the pop-up box "Select Days"
- 4. Click "OK" button
- 5. Click "Next >" button

anage Rule		
Name:	Intrusion - Dahua	
Description:		
Active:		
	Step 2: Conditions	
Select condition	is to apply	
Within select Outside selec Within the ti	ed time in <time profile=""> ted time in <time profile=""> me period <start time=""> to <end time=""></end></start></time></time>	×
Livent 15 from	s day> ∖motion window> V Monday V Tuesday V Wednesday V Mensday V Friday 3	
Edit the rule de Perform an actio	scription (click an underlined item) on on <u>Intrusion started</u>	
from All cameras day of week is days 2 4 OK Cancel		
	5	
Help	Cancel < Back Next >	Finish

Please see below screenshot marked with number 1-5:

- 1. Tick the entry "Make new <log entry>"
- 2. Click "log entry"
- 3. Click the items from "Device name" to "Recording server name" one by one
- 4. Click "OK" button
- 5. Click "Next >" button



Name:	Intrusion - 3	Dahua
Description:		
Active:		
S-1		Select a Log Entry
Select actions to	jop to (profile)	Text to log:
Make new log	entry> 1	\$DeviceName\$\$EventName\$\$TriggerTime\$\$RuleName\$\$RecorderName\$
Start plug-in	on (devices)	Add system information (click links to insert variables in log text)
Apply new sett	n (devices)	
Set Matrix to	view <devices></devices>	Device name
Send SNMP trap		Event name 3
Recifieve and s	tore remote recor	Triggering time
Edit the rule de:	cription (click a	<u>Nile name</u> Recording server name
Perform an action	n on <u>Intrusion sta</u>	
day of week is M	onday, Tuesday, W.	
Create log entry	log entry	4 OK Cancel
	2	
1.		5
Help	Curvel	

Please see below screenshot marked with number 1-3:

- 1. Select the entry "No actions performed on rule end"
- 2. Make sure all these configured items are existing in this area
- 3. Click "Finish" button

Manage Rule				
Name:	Intrusion - Dahua			
Description:				
Active:				
	Step 4: Stop criteria			
Perform stop action on <event> Perform stop action after <time> No actions performed on rule end 1</time></event>				
Edit the rule descript	ion (click an underlined item)			
Perform an action on <u>Intrusion started</u> from <u>All cameras</u> day of week is <u>Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday</u> Create log entry: ' <u>\$DeviceName\$\$EventName\$\$TriggerTime\$\$RuleName\$\$RecorderName\$</u> '				
Kelp Cancel Next > Finish				



Now, we can see this rule "Intrusion - Dahua" created successfully:

Rules Default Goto Preset when PTZ is Default Record on Bookmark Rule Default Record on Motion Rule Default Record on Request Rule Default Record on Request Rule	Rules 🗸 🕂	Rule Information
Default Start Audio Feed Rule Default Start Feed Rule Default Start Metadata Feed Rul Intrusion - Dahua Definition: Perform an action on Intrusion started from <u>All cameras</u> day of week is <u>Monday</u> , <u>Tuesday</u> , <u>Friday</u> , <u>Saturday</u> , <u>Sunday</u>	Rules Default Goto Preset when PTZ is Default Record on Bookmark Rule Default Record on Motion Rule Default Record on Request Rule Default Start Audio Feed Rule Default Start Feed Rule Default Start Metadata Feed Rul Intrusion - Dahua	Name: Intrusion - Dahua Description: Active Definition: Perform an action on <u>Intrusion started</u> from <u>All cameras</u> day of week is <u>Monday</u> , <u>Tuesday</u> , <u>Wednesday</u> , <u>Thursday</u> , <u>Friday</u> , <u>Saturday</u> , <u>Sunday</u>

Step 6: Check the event log when configured event triggered

1. Click "Rule Log" under "Server Logs" which located on main panel "Site Navigation"

Site Navigation	→ ∓ X
🖃 📢 WIN275990419 - (11.1a)	
🕀 🛄 Basics	
🕀 🌄 Remote Connect Services	
🗄 🔲 Servers	
🗄 ኛ Devices	
🖶 🛄 Client	
🕀 🚯 Rules and Events	
🗄 🐗 Security	
🗄 🕥 System Dashboard	
🖨 🔚 Server Logs	
System Log	
Audit Log	
- 🖽 Rule Log 📘 🚹	
- 🕞 Access Control	
🖶 🗒 Transact	
🕀 🧏 Alarms	



 Please see below screenshot showing the "Rule Log" part: We can see the event with type "Intrusion" already recognized by Milestone

Rule	Log											
See	arch cr	iteria			Front time		P	ula nana'				
263	rvice I	sane: Sou	rce:		Event type			Clear	Refresh			
-								- Cita	metric and			
L	evel	UTC Time	Local Time	⊽ ID	Service Name	Rule Name	Source Type	Source Name	Event Type	Generator Type	Generator Name	Description
	Ð	2016/8/16 3:33:02	2016/8/16 11:33:02	7001	WIN275990419	Intrusion - Dahua	Device	Dahua IPC-HF5231E (10.15.6.114) - Camera 1	Intrusion started	Driver device		Dahua IPC-HF52