

Milesight-Troubleshooting Motion Detection on NVR

Milesight Technology Co.,Ltd.



IP Camera Version xx.5.0.104 NVR Version xx.7.0.01 Update 2015.11

To help you to get the points you want, please read the lead-in first.

Lead-in

This document is organized by the order below:

- 1. How to Enable the Motion Detection
 - 1)Way one--enable the motion detection via NVR
 - Local monitor setting
 - Web interface setting
 - 2)Way two--enable the motion detection via IP cameras
- 2. Recording Setting for Motion Detection
 - 1)Local monitor setting of recording
 - 2)Web interface setting of recording
- 3. Other Alarm Actions for Motion Detection
 - 1)Local monitor setting of other alarm actions
 - 2)Web interface setting of other alarm actions

Note:

- The 1. is the first step and the basic of 2. and 3.. If you want to record video when motion detection is triggered, please refer to 1. and 2.. If you want to hear audio alarm or set other alarm actions when something moves in the detected region, please refer to 1 and 3..
- Please attach importance to where the mark ***** appears, because it may removes your confusions or give a quick guide when you operate the motion detection of NVR.





1. How to Enable the Motion Detection

Milesight's NVR and IP cameras are data synchronization in the terms of motion detection; hence you can just choose one of two ways below, via NVR or via IP cameras, to enable it.

1) Way one--enable the motion detection via NVR

• Local monitor setting

Step1: Log in the local monitor, and go to "Event" \rightarrow "Motion Detection"

		Even	t Set	tings								
Video Loss M	otion Detection											
Notion Detection												
Alarm Input	(and the second											
Alarm Output	Description of the local division of the loc		31									
Exception		K /										
		The Fil										
		800										
		-		Enable IPC	's Mation S	chedule						
	Channel:1 Name:CAM1				ALL SEL							
					ALL CIEB				-			
				Action					17 5 49			
									13 con			
				2		4		6	8		8	
	Trigger Channels Record			10	19	20	21	22		13	24	
							Ap	ply				

Figure 1.1 Motion Detection Settings in Local Monitor

Step2: Choose the corresponding channel, set the motion region and motion sensitivity.

Step3: As for the schedule of motion detection, if you tick the "Enable camera's Motion", the schedule will be set as continuous type, whole day and whole week. If not, the schedule is decided by settings of IP cameras. So the schedule setting of motion detection on cameras must be done before if you don't tick this option or you want to set detection for a certain time.

Step4: Check settings. Log in "Status" \rightarrow "Event Status", when something moves in the detected region, we will see the " \blacksquare " changing to " \blacksquare ", besides there is a motion indication " $\stackrel{\mathfrak{A}}{\Rightarrow}$ " in local monitor live view.



			Status		
	Camera Event				
Network Status					
		CAME	192.168.5.152		
Disk Status		CAM2		- -	-
Event Statis		сама			
The second se		CAMA	192.168.5.196		-
		CAMS	192.168.5.162		
		CANE	102 102 5 100		
		CAME			
					Back

Figure 1.2 motion detection status in NVR local monitor

Web interface setting

Step1: Log in NVR Web, click "Settings" \rightarrow "Event" \rightarrow "Motion Detection".



Figure 1.3 Motion Settings in NVR Web

Step2: Choose the corresponding channel, set the motion region and motion sensitivity.

Step3: As for the schedule of motion detection, if you tick the "Enable Camera's Motion", the schedule will be set as continuous type, whole day and whole week. If not, the schedule is decided by settings of IP cameras. So the schedule setting of motion detection on cameras must be done before if you don't tick this option or



you want to set detection for a certain time.

Step4: Check settings. Log in "Status" \rightarrow "Event Status", when something moves in

the detected region, we will see the " \blacksquare " changing to " \blacksquare ".

Status	Event Status						
Device Information	Alarm	Camera Event					
Network Status	Channel	Name	IP Address	Videoloss	Motion	1/0	
Camera Status	1	CAM1	192.168.8.170				
	2	CAM2					
Disk Status	3	CAM3	192.168.8.103				
vent Status	4	CAM4					
	5	CAM5					1
acket Capture Tool	6	CAM6					
	7	CAM7					
	8	CAM8					
	9	CAM9					
	10	CAM10					
	11	CAM11					
	12	CAM12					
	13	CAM13					
	14	CAM14					
	15	CAM15					
	16	CAM16					
	47	011117					

Figure 1.4 motion detection status in NVR Web

2) Way two--enable the motion detection via IP cameras

Step1: Log in web, and go to "Advanced Settings" \rightarrow "Alarm". Tick "Enable Alarm" and choose "Trigger Type" as "Motion Detection".

Enable Alarm:	
Trigger Type	Motion Detection Set Mation Region Schedule Settings
	Network Lost
	Audio Alarm (Please open the audio.)
	External Input
Trigger Duration	30 seconds 🛩

Figure 1.5 motion detection settings

Step2: Set the Motion Region and choose the sensitivity.







Eiguro	16	motion	dataction	cotting
rigure	1.0	motion	uelection	settings

Step3: Set the schedule for motion detection	tion.
----------------------------------------------	-------

Notion Detection				
2	Period1	Period2	Period3	
Sunday	00 • : 00 • 24 • : 00 •	00 ▼ : 00 ▼ 24 ▼ : 00 ▼	00 ▼ : 00 ▼ 24 ▼ : 00 ▼	Copy to Other Days
Monday	00 • : 00 • 24 • : 00 •	00 •:00 •24 •:00 •	00 ▼:00 ▼24 ▼:00 ▼	Copy to Other Days
Tuesday	00 • : 00 • 24 • : 00 •	00 • : 00 • 24 • : 00 •	00 • : 00 • 24 • : 00 •	Copy to Other Days
Wednesday	00 • : 00 • 24 • : 00 •	00 • : 00 • 24 • : 00 •	00 ▼:00 ▼24 ▼:00 ▼	Copy to Other Days
Thursday	00 • : 00 • 24 • : 00 •	00 • : 00 • 24 • : 00 •	00 • : 00 • 24 • : 00 •	Copy to Other Days
Friday	00 ▼: 00 ▼ 24 ▼ : 00 ▼	00 • : 00 • 24 • : 00 •	00 ▼:00 ▼24 ▼:00 ▼	Copy to Other Days
Saturday	00 • : 00 • 24 • : 00 •	00 ▼ 00 ▼ 24 ▼ 00 ▼	00 ▼ : 00 ▼ 24 ▼ : 00 ▼	Copy to Other Days

Figure 1.7 motion detection schedule

Step4: Check settings. After setting motion detection successfully, you will see the warming red spot on the live video page. And when you log into NVR, you will see that the NVR updates its parameters with IP cameras automatically.





Figure 1.8 motion detection

2. Recording Setting for Motion Detection (based on 1.)

After finishing 1., you can set recording for motion detection.

1) Local monitor setting of recording

Step1: Log in the local monitors, and go to "Record"→"Record model", tick "Record by Schedule". (Do not choose "Never" and "Always", just check "By Schedule" if you want the camera to record only when motion is triggered)

Step2: Go to "Main Menu" \rightarrow "Record" \rightarrow "Record Schedule", draw the time table to set the record schedule for motion detection, like the picture shown below.





Figure 2.1 Alarm record settings on NVR local monitor

Step3: Go to "Main Menu" \rightarrow "Event" \rightarrow "Motion Detection", choose the camera channel that you already finished steps above, and tick channels you want to record in the column of "Trigger Channels Record".

		Event Se	ttings							
Motion Detection										
			1							
Alarm Output		-12	0							
Exception	1	SIL-								
		- de la								
	1 March 2 Stranger	Sar								
	Enable IPC's Motion Schedule									
	Channel:1 Name:CAM1			ALL Set						
			Soncitivity	ALL Clear						
			Action					TZ Ed		
						13	1			16
	ingger Channels Record	ALL 17	18	19	20	21	2	2	23	24
						29				
							Apply			

Figure 2.2 Alarm record settings on NVR local monitor

2) Web interface setting of recording

Step1: Log in NVR Web, go to "Settings"-> "Record"-> "Record model", tick "Record by Schedule". (Do not choose "Never" and "Always", just check "By Schedule" if you want the camera to record only when motion is triggered)

Local Configuration	Record Mode			
Local Configuration	Channel	No Record	Always Record	Record By Schedule
	CH1			V
Camera	CH2			e
	CH3			
▼ Record	CH4			
Record Mode	CH5			 Image: A start of the start of
	CH6			 Image: A start of the start of
Record Schedule	CH7			 Image: A start of the start of
Advanced	CH8			✓
System				ОК
▶ Event				

Figure 2.3 Alarm record settings in NVR Web

Step2: Go to "Settings" \rightarrow "Record" \rightarrow "Record Schedule", edit the time table to set the record schedule for motion detection, like the picture shown below.







Figure 2.4 Alarm record settings in NVR Web

Step3: Go to "Settings" \rightarrow "Event" \rightarrow "Motion Detection" \rightarrow "Linkage Method", choose the camera channel that you already finished steps above, and tick channels you want to record in the column of "Trigger Channels Record".

Motion Detection		
Channel No.	1	•
Sensitivity	3	•
Enable IPC's Motion	✓	
Area Settings	Action Schedule	Linkage Method
Normal Linkage		
Audible Warning		
Email Linkage	\checkmark	
Trigger Interval	10s	•
Trigger Channels Rec	ord	
Select All		
		7 8

Figure 2.5 Alarm record settings in NVR Web

3. Other Alarm Actions for Motion Detection (based on 1.)

After finishing 1., besides recording, there are other alarm actions for motion detection, like E-mail Linkage, Audible Warming and Alarm Output.

1) Local monitor setting of other alarm actions

Step1: Log in NVR local monitor, click "Event" \rightarrow "Motion Detection" \rightarrow "Edit" **Step2:** Choose the effective time or draw the time table, select the alarm action and trigger interval. (This time table is used for setting the work time of other alarm action, not for recording, do not mix them up)



			Event Settings				
Video Loss							
Motion Detection			Action				
Alarm Input							
Alarm Output	Effective Time		Schedule				
Exception			Monday				
				20 22	24		
	Sunday						
	Tuesday		00:00-00:00				
	Wednesday		00:00-00:00	and the owner of the local division of the l			
	Thursday		00:00-00:00				
	Friday	Time6	00:00-00:00	-			
	Saturday 🚥 🗖		00:00-00:00	-			
	Holiday		00:00-00:00				
						•	
	Edit Time		00:00-00:00				
			00:00-00:00				
	Trigger Alarm Output	Time12	00:00-00:00				
	Email Linkage					14	16
	Trigger Interval						
			Copy OK Cancel App				

Figure 3.1 other alarm edition on NVR local monitor

2) Web interface setting of other alarm actions

Step1: Log in NVR Web, click "Settings" \rightarrow "Event" \rightarrow "Motion Detection", click "Action Schedule", edit the schedule time.(This time table is used for setting the work time of other alarm action, not for recording, do not mix them up)



Figure 3.2 other alarm edition in NVR Web

Step2: Turn to another tab, "Linkage Method", select other alarm actions and trigger interval.





Channel No. 1 Sensitivity 3 Enable IPC's Motion V Area Settings Action Schedule Linkage Method Normal Linkage Audible Warning Email Linkage V Trigger Interval 10s V	Motion Detection			
Sensitivity 3 Enable IPC's Motion Area Settings Action Schedule Linkage Method Normal Linkage Audible Warning Email Linkage Irigger Interval 10s	Channel No.	1	•	
Enable IPC's Motion V Area Settings Action Schedule Linkage Method Normal Linkage Audible Warning Email Linkage V Trigger Interval 10s V	Sensitivity	3	•	
Area Settings Action Schedule Linkage Method Normal Linkage Image Image Audible Warning Image Image Email Linkage Image Image Trigger Interval 10s Image	Enable IPC's Motion	2		
Normal Linkage Audible Warning Email Linkage V Trigger Interval 10s	Area Settings	Action Schedule	Linkage Method	7
Audible Warning Email Linkage Trigger Interval 10s	Normal Linkage			
Email Linkage Trigger Interval 10s	Audible Warning			
Trigger Interval 10s 💌	Email Linkage			
	Trigger Interval	10s	-	
	Select All			
Select All		4 5 6	7 8	

Figure 3.3 other alarm edition in NVR Web