

Security Management System Configuration for Record on Motion

Introduction

Security Management System supports several recording modes including continuous recording, scheduled recording, alarm based recording etc.

This document describes the recommended configuration for cameras which are required to be set for recording on motion, and when motion detection is processed from the Security Management System server software.



Enable Motion Detection

1. In Security Management System server software, please navigate to the camera details page for the target camera from the left hand side navigation menu 'Video devices -> Channels -> <Camera name>. This will display the camera details page

192.168.0.66	Video devices → Channels →	Cam374							
0170521113254326									
/ideo devices	Callis/4								
Channels	Parameter Name	Parameter Value	This and						
Cam374	Channel ID	VC_Cam374							
	Channel Description	Cam374							
Cam376	Video Source Type	Video Clip							
Sequences	Display Resolution	320x240 pixels							
Device Discovery	Recording Resolution	320x240 pixels							
	Recording Mode	Continuous	Y flip video						
Audio devices	Manual Recording State	Off	Show analytics status						
Device groups	Recording Drive	D:\	Motion from application V						
Alarm groups	Video Parameters -								
Status	- Video clip path - Lens	F:\SoftwareVentures\Data\SampleClip: Normal lens	Camera PTZ						
Reports and Export									
Communication	<	>							
Security devices	- GPS co-ordinates								
Keyboards and Joysticks	Use GPS co-ordinates								
Jsers and Privileges	Latitude: 0								
Alarm management	Longitude:								
Data management									
Secondary storage	🕢 💽 🔔 🚳								
Remote backup									
Tasks		Motion detection settings							
Linked servers									

- 2. Select 'Motion from application' option.
- 3. This will show the 'Motion detection settings...' button at the bottom of the camera details page



Motion Detection Settings

- 1. Click on the 'Motion detection settings...' button. This will pop up the 'Motion Detection Settings' dialog box
- 2. In most of the cases, it is recommended to use default motion detection settings except for following
 - (a) Specify 'Detection zone' by selecting / de-selecting the grids. Please exclude the grids which have continuous movements like trees, water, sky etc and grids which have reflections.

2	Motion Dete	ection Settings	
ensitivity: Medium v	Detection Zone Grid Size:	8X8 🗸	
ocal Motion Detection Threshold:			
Overall Motion Detection Threshold:			
lotion Validation Time:		Nee -	1.0
0 (0 to 5 Seconds)	LA	the first the second second	
rocessing Resolution: 160X120 ¥			
Dbject Speed:			
Medium 🗸			
linimum Interval Between 2 Alarms:			
Force 'End of motion' After	Click on the grid cells	to select/de-select	
120 (1 to 3600 Seconds)	Grid Selection Mode:	Switch Cell State 🗸 🗸	Select All
ideo Resolution:	Highlight Selected	l Cells in Solid Color	De-select All

(b) Enable 'For 'End of motion' After and type value as 120 (seconds)

- 3. Other motion detection settings can be changed only in special cases where default motion detection settings do not provide good results.
- 4. Click on the 'Set' button to save the settings and to close the 'Motion Detection Settings' dialog box



Recording Settings - Record on Motion Only

Please follow this section if requirement is to configure recording only on motion. Otherwise skip this section and move to the next section

1. In the camera details page click on the 'Recording settings..' button available at the bottom of the page. This will pop up the 'Recording Settings' dialog box.

192.168.0.66	Video devices → Channels → C	Cam374									
20170521113254326											
Video devices											
Channels	Parameter Name	Parameter Value	Line Asta								
Cam374	Channel ID	VC_Cam374									
	Channel Description	Cam374	-								
Cam376	Video Source Type	Video Clip									
Sequences	Display Resolution	320x240 pixels									
Device Discovery	Recording Resolution Recording Mode	320x240 pixels Continuous	Y flip video								
Audio devices	Manual Recording State	Off									
	Recording Drive	D:\	Show analytics status								
Device groups	Video Parameters -	0.1	Motion from application V								
Alarm groups	- Video clip path										
Status	- Lens										
Reports and Export											
Communication	<	>									
Security devices	- GPS co-ordinates										
Keyboards and Joysticks	Use GPS co-ordinates										
Users and Privileges	Latitude: 0										
Alarm management	Longitude:										
Data management											
Secondary storage		a) 👩									
Remote backup				•							
Tasks	Recording Settin	gs									
Linked servers											

2. If requirement is to configure recording only on motion, please select the 'Recording mode' as 'Rule based -> Alarm based'.



0	Recording settings - Cam374
Channel details	
Channel ID: VC_Cam374	
Channel Description: Cam374	and the second se
Video Source Type: Video Clip	
Recording Drive: D:\ 🗸	
Recording mode	
○ Continuous ○ No recording	Rule based Alarm based
Recording schedule settings	
	Scheduled recording is disabled
Record on alarm settings Pre alarm recording: 120 Post alarm recording: 120 seconds	

3. Under 'Record on alarm settings' group available at the bottom of the page, please type 'Pre alarm recording' to '120' seconds, and 'Post alarm recording' to '120' seconds



Recording Settings – Record on Schedule and Motion

Please follow this section if requirement is to configure continuous recording for some time schedules and recording only on motion for remaining time schedules. Otherwise skip this section.

1. In the camera details page click on the 'Recording settings..' button available at the bottom of the page. This will pop up the 'Recording Settings' dialog box.

192.168.0.66	Video devices → Channels → C	Cam374								
20170521113254326	Channel Name Cam374									
Video devices										
Channels	Parameter Name	Parameter Value	Little Janes - 110							
Cam374	Channel ID	VC_Cam374								
	Channel Description	Cam374	-							
Cam376	Video Source Type	Video Clip								
Sequences	Display Resolution	320x240 pixels								
Device Discovery	Recording Resolution	320x240 pixels								
	Recording Mode	Continuous Off	Y flip video							
Audio devices	Manual Recording State		 Show analytics status 							
Device groups	Recording Drive Video Parameters -	D:\	Motion from application V							
Alarm groups	- Video clip path	F:\SoftwareVentures\Data\SampleClip:								
Status	- Lens	Normal lens	Camera P 12							
Reports and Export										
Communication	<	>								
Security devices	- GPS co-ordinates									
Keyboards and Joysticks	Use GPS co-ordinates									
Users and Privileges	Latitude: 0									
Alarm management	Longitude:									
Data management										
Secondary storage		a) 😭								
Remote backup			•							
Tasks	Recording Settin	gs								
Linked servers										

- 2. If requirement is to configure continuous recording for some time schedules and recording only on motion for remaining time schedules, please select the 'Recording mode' as 'Rule based -> Both'
- 3. Please specify the 'Recording schedule' by selecting the target grids indicating specific hours in a day in a week.



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Channel details																									
Channel ID: VC_Cam374																							1000		
Channel Description: Can	374																				- and	-			
Video Source Type: Video																					LINE	K			
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Recording Drive: D:\	~																								
Recording mode																									
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🔵 Continuous 📀 No re	cording							0 F	lule	ba	sed	ł	в	oth					~	L				S	2
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Recording schedule setting)s																								
• Select	Days/Hours->	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22 2	3
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Record on alarm settings-																									
Pre alarm recording: 12	0 second	İs																(lov	_		oth		ise]		
						Pr	e-a	larr	n fu	II F	PS	reco	ordi	ing	inte	erva	al:		10)			seco	ond	õ
Post alarm recording: 12	0 second	IS				Po	st-	ala	rm f	full I	FPS	s re	cor	ding	, int	terv	/al:		10)			seco	ond	5

- 4. Under 'Record on alarm settings' group available at the bottom of the page, please type 'Pre alarm recording' to '120' seconds, and 'Post alarm recording' to '120' seconds.
- 5. Please ensure that 'Record at full FPS on alarm or motion (low FPS otherwise' is NOT selected.