

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 | | | | | | | |
|------------------------|----------------------------|--------------------------------------|---------------------------|--|--|--|--|--|--|
|)170521113254326 | Chapped Name | | | | | | | | |
| ideo devices | Channel Name Cam374 | 4 | | | | | | | |
| Channels | Parameter Name | Parameter Value | The file a | | | | | | |
| C | Channel ID | VC_Cam374 | | | | | | | |
| Cam374 | Channel Description | Cam374 | | | | | | | |
| Cam376 | Video Source Type | Video Clip | | | | | | | |
| Sequences | Display Resolution | 320x240 pixels | | | | | | | |
| Device Discovery | Recording Resolution | 320x240 pixels | | | | | | | |
| Device Discovery | Recording Mode | Continuous | V flip video | | | | | | |
| udio devices | Manual Recording State | Off | Show analytics status | | | | | | |
| evice groups | Recording Drive | D:\ | • Show analytics status | | | | | | |
| larm groups | Video Parameters - | | Motion from application V | | | | | | |
| ann groups | - Video clip path | F:\SoftwareVentures\Data\SampleClip: | Camera PTZ | | | | | | |
| tatus | - Lens | Normal lens | | | | | | | |
| eports and Export | | | | | | | | | |
| ommunication | | | | | | | | | |
| ecurity devices | CDC as andiastas | | | | | | | | |
| evboards and Joysticks | GPS co-ordinates | | | | | | | | |
| sors and Brivilagos | Ose GPS co-ordinate | | | | | | | | |
| sers and Privileges | Latitude: 0 | | | | | | | | |
| larm management | Longitude: 0 | | | | | | | | |
| ata management | | | | | | | | | |
| econdary storage | | | | | | | | | |
| lemote backup | | | • • | | | | | | |
| Tasks | | Motion detection settings | | | | | | | |
| inked 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.

| | Motion Dete | ection Settings | |
|-------------------------------------|------------------------------|---------------------------|---------------|
| Sensitivity: Medium V | Detection Zone Grid Size: | 8X8 🗸 | |
| ocal Motion Detection Threshold: | | | |
| Overall Motion Detection Threshold: | | | |
| 1otion Validation Time: | | Nee - | 1.0 |
| 0 (0 to 5 Seconds) | LA | the for the second second | |
| Processing Resolution: 160X120 ¥ | | | |
| Dbject Speed: | | | |
| Medium 🗸 | | | |
| Ainimum 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 |
| | Highlight Selected | 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 | Channel Name Cam374 | | | | | | | | | |
| Video devices | | | | | | | | | | |
| Channels | Parameter Name | Parameter Value | Lite fine - P | | | | | | | |
| 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 | | | | | | | | |
| Audio dovicos | Mapual Recording State | Off | Y flip video | | | | | | | |
| Addio devices | Recording Drive | Manual Recording State Off Recording Drive D:\ | | | | | | | | |
| Device groups | Video Parameters - | Video Parameters - | | | | | | | | |
| Alarm groups | - Video clip path | - Video clip path F:\SoftwareVentures\Data\SampleClip: | | | | | | | | |
| Status | - Lens | - Lens Normal lens | | | | | | | | |
| Reports and Export | | | | | | | | | | |
| Communication | < | > | | | | | | | | |
| Security devices | CDC as andiastes | | | | | | | | | |
| Keyboards and Joysticks | Use GPS co-ordinates | | | | | | | | | |
| Users and Privileges | Latitude: 0 | | | | | | | | | |
| Alarm management | Lonaitude: | | | | | | | | | |
| Data management | | | | | | | | | | |
| Secondary storage | | | | | | | | | | |
| 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 | |
| Video Source Type: Video Clip | |
| Recording Drive: D:\ v | |
| Recording mode | |
| Continuous No recording | Rule based Alarm based |
| Recording schedule settings | |
| | Scheduled recording is disabled |
| Record on alarm settings | |
| Pre alarm recording: 120 seconds | |
| 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 | Comos 1 | | | | | | | | |
| Channels | Parameter Name | Parameter Value | Little Janes - 110 | | | | | | |
| Cam374 | Channel ID | VC_Cam374 | | | | | | | |
| Cambre | 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 ✓ Show analytics status | | | | | | |
| Audio devices | Manual Recording State | Off | | | | | | | |
| Device groups | Kecording Drive | D:\ | Motion from application x | | | | | | |
| Alarm groups | - Video Parameters - | E:\SoftwareVentures\Data\SampleClip | Camera DT7 | | | | | | |
| Status | - Lens | Normal lens | Camera P 12 | | | | | | |
| Reports and Export | | | | | | | | | |
| Communication | < | > | | | | | | | |
| Security devices | CDC as ardinates | | | | | | | | |
| Keyboards and Joysticks | Use GPS co-ordinates | | | | | | | | |
| Users and Privileges | Latitude: 0 | | | | | | | | |
| Alarm management | Longitude: | | | | | | | | |
| Data management | | | | | | | | | |
| Secondary storage | | | | | | | | | |
| 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.



| 0 | | Rec | ord | ding | j se | ettir | ngs | - 0 | lam | 137 | 4 | | | | | | | | | | | | | |
|---------------------------------|----|-----|-----|------|------|-------|------|-------|--------|-----|------|------|------|-------|------|------|------|-----|----|---------|-----|------|-------|---|
| Channel details | | | | | | | | | | | | | | | | | | | | | | | | |
| Channel ID: VC. Cam374 | | | | | | | | | | | | | | | | | | | | | | | an 1 | |
| Channel Description: Cam374 | | | | | | | | | | | | | | | | | | | | - Inter | | | 7 | |
| Video Source Type: Video Clip | | | | | | | | | | | | | | | | | | | | LINE | K | | | |
| Recording Driver Driver | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Recording mode | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | ٢ | | | | | | | | | | | | | ١ | | | | | |
| Continuous O No recording | | | | | | (| O F | tule | ba | sec | ł | В | oth | | | | | ~ | L | | | | No. | 2 |
| | | | | | | C | | | | | | | | | | | | |) | | | | 6 | |
| | | | | | | | | | | | | | | | | | | | | | | | ~ | |
| Recording schedule settings | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 23 | 3 |
| O De-select Sunday | | | | | | | | | | | | | | | | | | | | | | | | |
| Monday | | | | | | | | | | | | | | | | | | | | | | | | |
| Tuesday | | | | | | | | | | | | | | | | | | | | | | | | |
| Wednesday | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrusday | | | | | | | | | | | | | | | | | | | | | | | | |
| Friday | | | | | | | | | | | | | | | | | | | | | | | | |
| Saturday | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Enable 8/10/2017 V Override 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Enable 8/11/2017 V Override 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Enable 8/12/2017 V Override 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Enable 8/13/2017 V Override 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Enable 8/14/2017 V Override 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Record on alarm settings | | | | | | | | | | | | | | | | | | | | | | | | |
| Pre alarm recording: 120 secon | ds | | | | Re | ecor | rd a | it fu | ill F | PS | on | alaı | rm (| or n | noti | on | (lov | w F | PS | oth | erw | ise) | | |
| 120 Second | | | | | Pre | e-al | larr | n fu | II F | PS | reco | ordi | ing | inte | erva | al: | | 10 |) | | | seco | nds | |
| Post alarm recording: 120 secon | ds | | | | Po | st-a | alaı | rm f | iull I | FPS | re | core | ding |) int | erv | /al: | | 10 |) | | | seco | nds | |

- 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.