



How to set up motion detection recording/snapshot to save to an SD Card using an ACTi camera.

For the purpose of this guide we are using an ACTi E92 3MP indoor dome camera that has an on board SD card slot. This camera is on its latest firmware (as of 21/05/2013) and all settings are done using the web client. Before we start, please make sure that the SD card is properly installed into the camera, the camera is connected to the network and you know the IP address.

Firstly log into your camera and go to the settings menu via the button below:



In the menu bar to the left, expand the tab that is called 'video' and click on the tab that says 'video'.



Now on this page select the 'motion detection' tab.

The screenshot shows the 'Video' settings page of the ACTi camera web client. At the top, there is a live video feed of an indoor scene with a red car visible through a window. Below the feed, the 'Stream-1' dropdown is visible. The 'Motion Detection' tab is selected and highlighted with a red circle. Below the tabs, there are two columns of settings for 'Stream 1' and 'Stream 2'. The 'Motion Detection' tab is highlighted with a red circle. The settings for Stream 1 are: Encoder Type (H.264), VGA Aspect Ratio (4:3), Resolution (N2048x1536), Frame Rate (15), Video Bit Rate Mode (Constant Bit Rate), Video Max Bit Rate (Unlimited), and Video Bit Rate (4M). The settings for Stream 2 are: Encoder Type (H.264), VGA Aspect Ratio (4:3), Resolution (N1280x720), Frame Rate (5), Video Bit Rate Mode (Constant Bit Rate), Video Max Bit Rate (Unlimited), and Video Bit Rate (2M). At the bottom, there are 'Apply' and 'Reset' buttons.

Compression	Motion Detection	Image	Exposure/White Balance	OSD/Privacy Mask
Stream 1				
Encoder Type	H.264			
VGA Aspect Ratio	4:3			
Resolution	N2048x1536			
Frame Rate	15			
Video Bit Rate Mode	Constant Bit Rate			
Video Max Bit Rate	Unlimited			
Video Bit Rate	4M			
Stream 2				
Encoder Type	H.264			
VGA Aspect Ratio	4:3			
Resolution	N1280x720			
Frame Rate	5			
Video Bit Rate Mode	Constant Bit Rate			
Video Max Bit Rate	Unlimited			
Video Bit Rate	2M			

Apply Reset

Now click on the 'Setup' button.

Video

1: 2012-03-31 23:21:54

Region	Enabled	Sensitivity	Trigger Interval [s]	Trigger Threshold
1	<input checked="" type="checkbox"/>	100 ▾	1 ▾	10 ▾ %
2	<input checked="" type="checkbox"/>	100 ▾	1 ▾	10 ▾ %
3	<input checked="" type="checkbox"/>	100 ▾	1 ▾	10 ▾ %

Setup

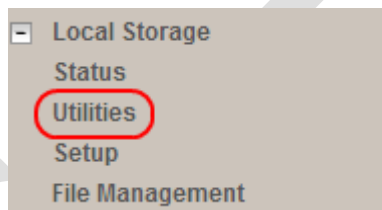
Select 'Enable' on the first line (Region 1), set your sensitivity (we are using 100%), trigger interval (we are using 1 second) and trigger threshold (we are using 10%).

Region	Enabled	Sensitivity	Trigger Interval [s]	Trigger Threshold
1	<input checked="" type="checkbox"/>	100 ▾	1 ▾	10 ▾ %

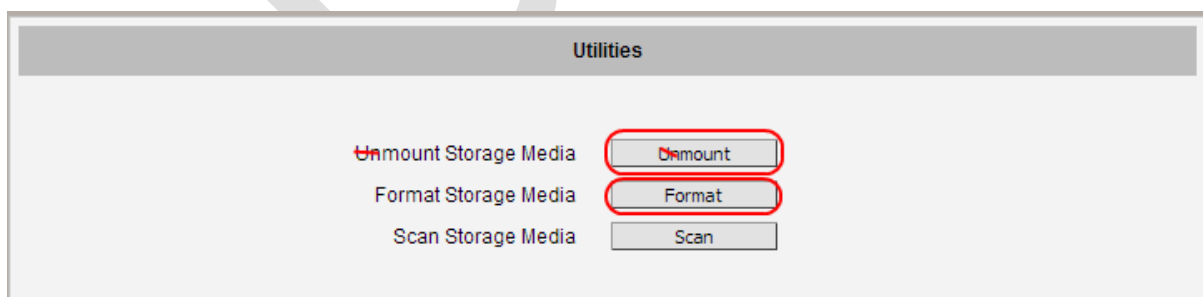
Now in the live view above a region window will appear. Scale and position this where you would like. Once you have done this click 'Apply' at the bottom of the screen.



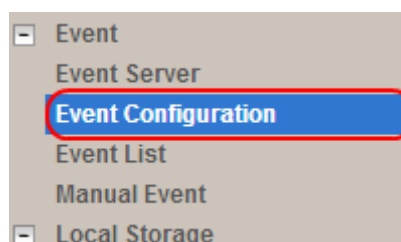
Now go back to the left navigation bar. Expand the 'Local Storage' tab, now select 'Utilities'.



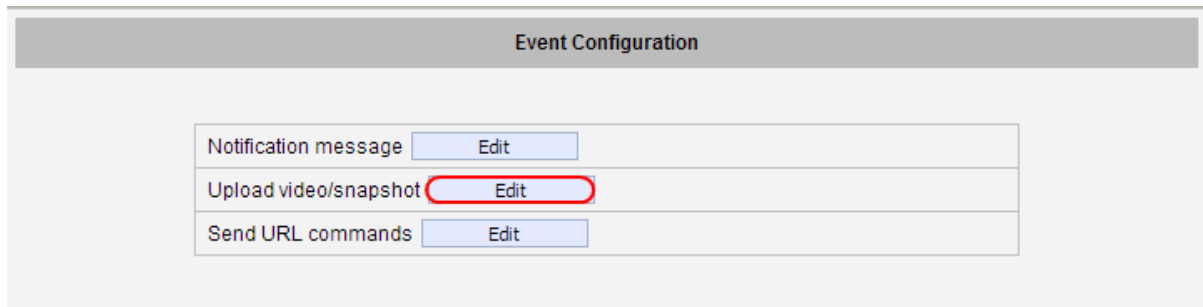
On this page you need to 'Format' and 'Mount' the SD Card. (NOTE: We have already mounted our SD card so we only have the option to 'unmount', but the mount option is in the same position.)



Once again go back to the navigation bar to the left and this time expand the 'Event' tab. Click on the 'Event Configuration' tab.

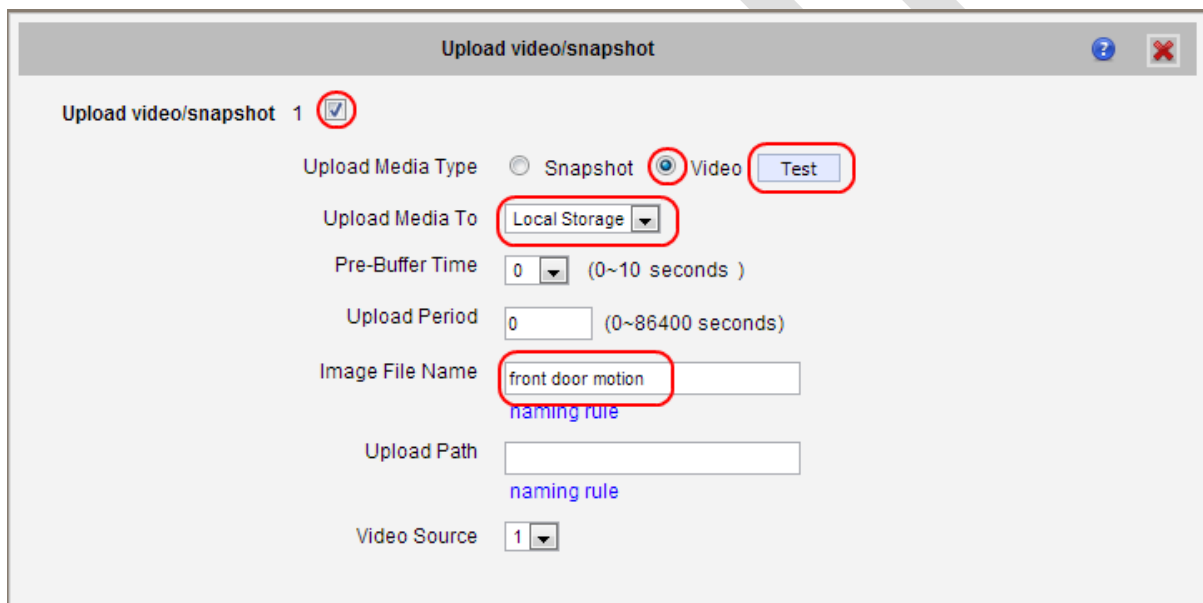


On this page next to 'Upload video/snapshot' click 'edit'.



Event Configuration	
Notification message	Edit
Upload video/snapshot	Edit
Send URL commands	Edit

Here you now have various different options. Firstly make sure to check the box next to 'Upload Video/Snapshot'. Next choose if you would like a snapshot or a video upload (for this guide we chose video upload). Now choose 'Local Storage' from the drop down menu next to 'Upload Media to'. Lastly type into the box 'Image file name' what you would like the images to save as, e.g. 'Front door motion'. You can also test to make sure the save works by clicking 'Test', you can check it was successful by looking at your local storage file management (We will be looking at this later.) Once all settings are done click 'Apply' at the bottom of the screen.



Upload video/snapshot 1 ☒

Upload Media Type

☐ Snapshot ☒ Video [Test](#)

Upload Media To

Local Storage

Pre-Buffer Time

0 (0~10 seconds)

Upload Period

0 (0~86400 seconds)

Image File Name

front door motion

[naming rule](#)

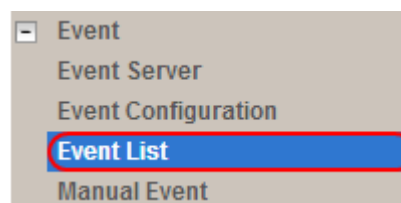
Upload Path

[naming rule](#)

Video Source

1

Navigate back to the left navigation menu and expand the 'Event' tab again (should still be expanded from earlier). Now click 'Event list'.



On this page click on the ID '1' (blue box with the number '1' inside).

Event List					
ID	Week Day	Start	Duration	Source	Action
1	1234567	00:00	24:00	MD1	IMG1
2	1234567	00:00	24:00	MD2	IMG2
3	1234567	00:00	24:00	MD3	IMG3
4	1234567	00:00	24:00	SCH	NONE
5	1234567	00:00	24:00	SCH	NONE
6	1234567	00:00	24:00	SCH	NONE
7	1234567	00:00	24:00	SCH	NONE

On this page you have many different options, we have just stuck with simple options but you can customise them to suit you. Firstly make sure to check the 'Enable' box. Now select what day you would like it to be 'Active on' by selecting the days of the week (We selected all). The next two options 'Time' and 'Duration' we left as default. On the drop down menu next to 'Triggered by', select 'motion'. Now select which 'region' you would like it to detect from, for this guide it will be 'Region 1'. Lastly check the box next to 'Upload video/Snapshot' and select 'image 1'. Now click apply.

Event List 1

Enabled ☒

Active on ☒ Mon ☒ Tue ☒ Wed ☒ Thr
☒ Fri ☒ Sat ☒ Sun

Time 00 : 00

Duration 24 : 00 (max. 168:00 hours)

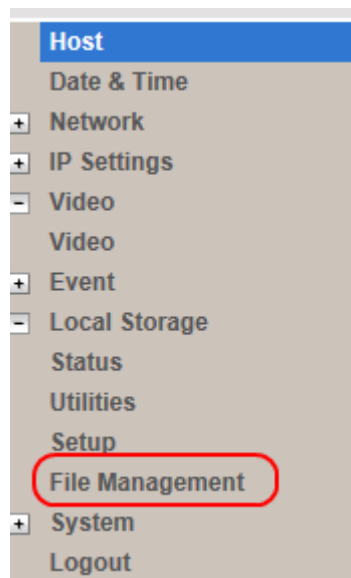
Triggered by Motion

Trigger by Motion ☒ Region 1 ☐ Region 2
☐ Region 3

Response To ☐ Send notification message
☒ Upload video/snapshot
☒ Image 1 ☐ Image 2
☐ Image 3
☐ Send URL command

ApplyReset

Now that all settings have been set, go back to the navigation bar and expand the 'Local Storage' tab and select 'File Manager'.



On this page click 'search'. Your test image/video from earlier should now be in this list below. A good way to test that the motion detection is working, is by walking in front of the camera into the region area and wave (do this a few times), then come back to the 'File Manager' click 'Search' again and the files should be there if not double check your settings.

File Management

☐ Search recordings by time

☐ Search recordings by triggered events

Search

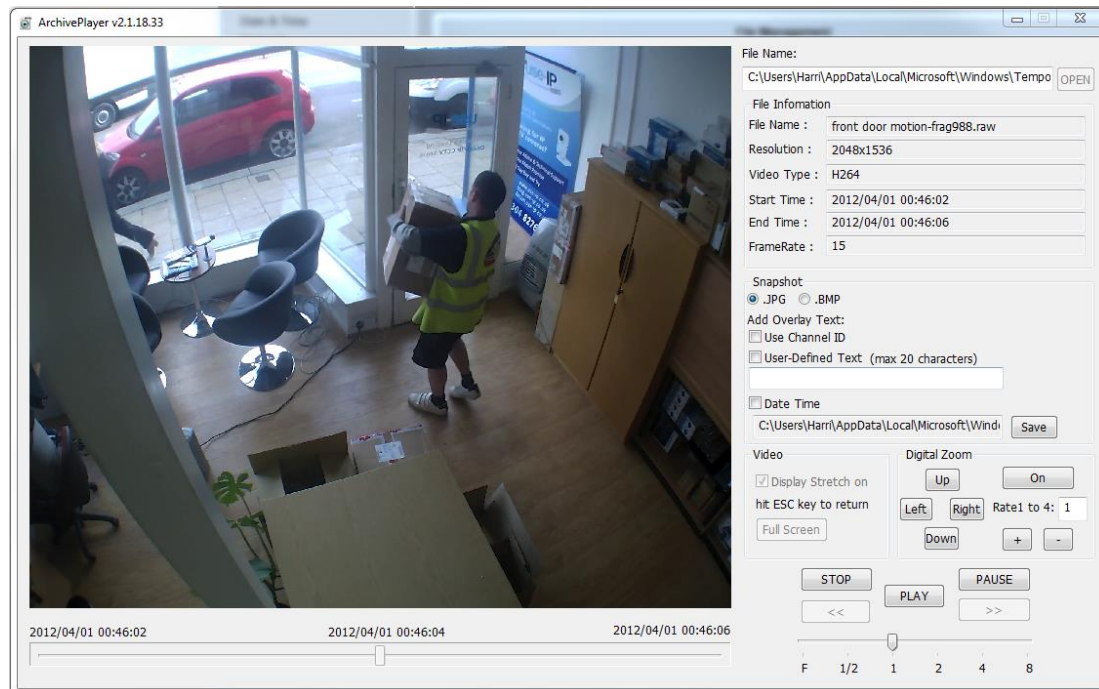
	File Name	Start Time	Length (min.)	Events	Status
<input type="checkbox"/>	front door motion-frag942.raw	20120331-23:16:12	0	MD1 MD2	Closed
<input type="checkbox"/>	front door motion-frag941.raw	20120331-23:15:04	1	MD1	Closed
<input type="checkbox"/>	front door motion-frag940.raw	20120331-23:09:31	1	MD1 MD2	Closed
<input type="checkbox"/>	front door motion-frag939.raw	20120331-23:08:33	0	MD1	Closed
<input type="checkbox"/>	front door motion-frag938.raw	20120331-23:07:59	1	MD1 MD2	Closed
<input type="checkbox"/>	front door motion-frag937.raw	20120331-23:05:52	0	MD1	Closed
<input type="checkbox"/>	front door motion-frag936.raw	20120331-23:04:31	1	MD1	Closed
<input type="checkbox"/>	front door motion-frag935.raw	20120331-23:02:52	1	MD1 MD3	Closed
<input type="checkbox"/>	front door motion-frag934.raw	20120331-23:02:10	1	MD1 MD2	Closed
<input type="checkbox"/>	front door motion-frag933.raw	20120331-23:00:43	0	MD1	Closed
<input type="checkbox"/>	front door motion-frag932.raw	20120331-23:00:33	0	MD1 MD3	Closed
<input type="checkbox"/>	front door motion-frag931.raw	20120331-23:00:29	0	MD1	Closed
<input type="checkbox"/>	front door motion-frag930.raw	20120331-23:00:22	1	MD1 MD3	Closed
<input type="checkbox"/>	snapshot.jpg	20120331-23:00:15	0	MD2	Closed
<input type="checkbox"/>	front door motion-frag929.raw	20120331-23:00:12	1	MD1 MD2 MD3	Closed
<input type="checkbox"/>	snapshot.jpg	20120331-23:00:00	0	MD3	Closed

<< 1 57 >>

Remove

You can save these files from your SD card by clicking on the file. As you will notice the video files are in a native '.raw' format. You will need to download the ACTi Archive Player to these videos and to convert them to an '.AVI' format you will need the 'ACTi Media Converter'. Which are both available from here (FREE of charge): http://www.acti.com/ip_utility .

Here is what the Archive Player looks like in action:



Here's what the media converter looks like:

