



Motion and Hard alarms from VK2 cameras

VISTA
KNOWLEDGE
BASE

INTRODUCTION

The following information shows how to set up a Smart to receive motion and hard alarms from a VK2 camera

Products – VLS & VLS2: SmartTel, SmartMobile, SmartCF, SmartDisc, SmartIP (note: SmartIP supports H.264, MJPEG & JPEG streams, all other Smart devices support JPEG & MJPEG). SmartDisc+ E and Smart ipVG (supports H.264, MJPEG & JPEG streams)

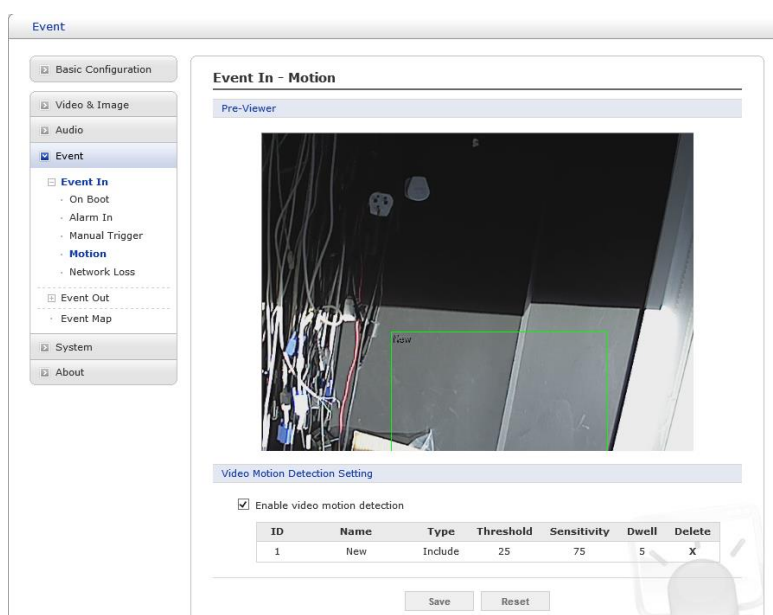
Summary – Guidance on how to set up Smart to work with VK2 motion / alarm input

Please note that this addendum is based on the connecting PC/laptop already running SmartControl LITE 4.12 software, the VLS Smart device having 2.12 firmware applied as minimum and the VK2 camera is already streaming an image to the Smart device (the connecting PC/laptop should also being in the same IP range as the VK2 devices, for these instructions to work effectively).

Setting a Motion detection zone on a VK2 device

The following is a brief guide to setting up a motion detection zone on a VK2 device, if more detailed information is required then please refer to the relevant manual for that device.

- 1) Connect to the VK2 device either via the VK2 SmartManager or the Smart Control LITE software (IP Camera / Configure.... / Configure with Browser).
- 2) Select set - up, then Motion from the "Event" page.

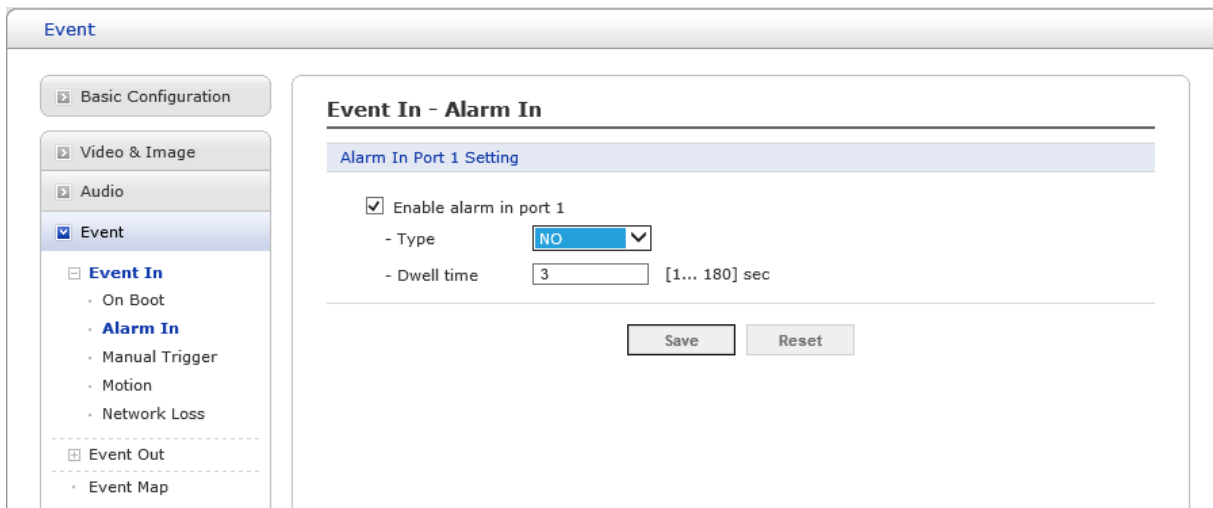


- 3) Using the mouse, right click on the image and select "New Motion", then drag and drop the cursor to select the size/location of the motion area.
- 4) Set up your Threshold and Sensivity to suit (0 - 100: the higher the number the greater the Threshold/Sensitivity). Test by moving in the new motion area - once the threshold is reached then the box will turn red and running man icon will appear in the top RHS.
- 5) Once satisfied with the Motion Area, click save.

Setting the Alarm In on a VK2 device

The following is a brief guide to setting up the Alarm In on a VK2 device, if more detailed information is required then please refer to the relevant manual for that device.

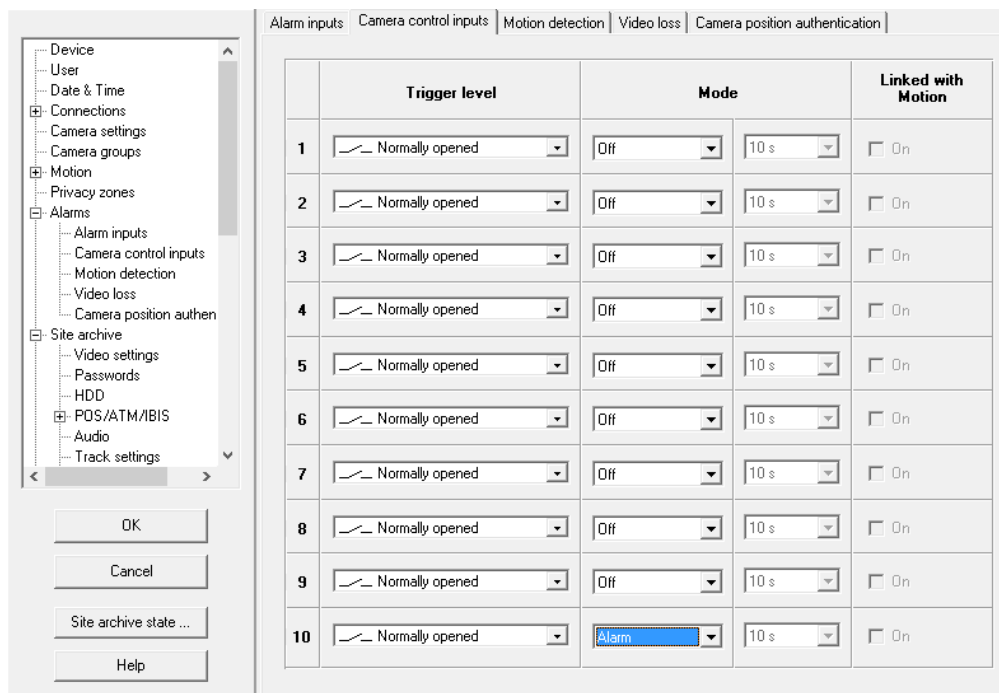
- 1) Connect to the VK2 device either via the VK2 SmartManager or the Smart Control LITE software (IP Camera / Configure.... / Configure with Browser).
- 2) Connect the device you want to activate the Alarm In (Contact/PIR etc).
- 3) Go to set - up and select Alarm In from the "Event" page.
- 4) Choose the correct operation Type: NO / NC.



- 5) Once satisfied with the setting, click save.

Setting up Smart to receive VK2 Motion (VMD) OR Alarm In (AI) Alarms

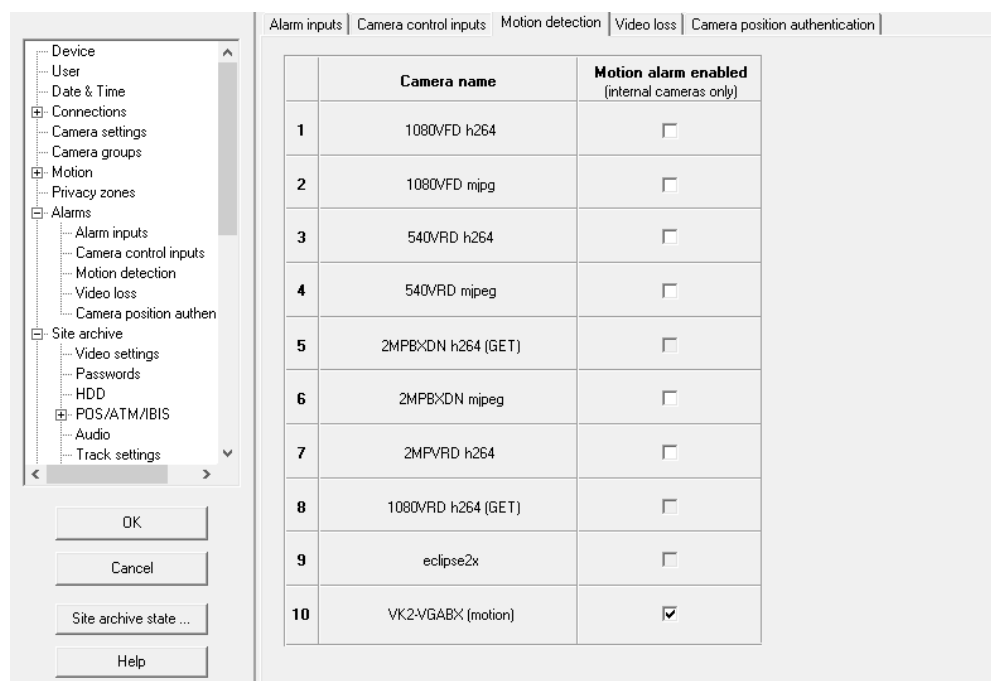
- 1) Connect to the Smart device using SmartControl LITE 4.12 software.
- 2) Go to Alarms / Camera control inputs tab and select the relevant action/operation from the drop down box for each camera (for this example we have used camera 10).



	Trigger level	Mode	Linked with Motion
1	Normally opened	Off	<input type="checkbox"/> On
2	Normally opened	Off	<input type="checkbox"/> On
3	Normally opened	Off	<input type="checkbox"/> On
4	Normally opened	Off	<input type="checkbox"/> On
5	Normally opened	Off	<input type="checkbox"/> On
6	Normally opened	Off	<input type="checkbox"/> On
7	Normally opened	Off	<input type="checkbox"/> On
8	Normally opened	Off	<input type="checkbox"/> On
9	Normally opened	Off	<input type="checkbox"/> On
10	Normally opened	Alarm	<input type="checkbox"/> On

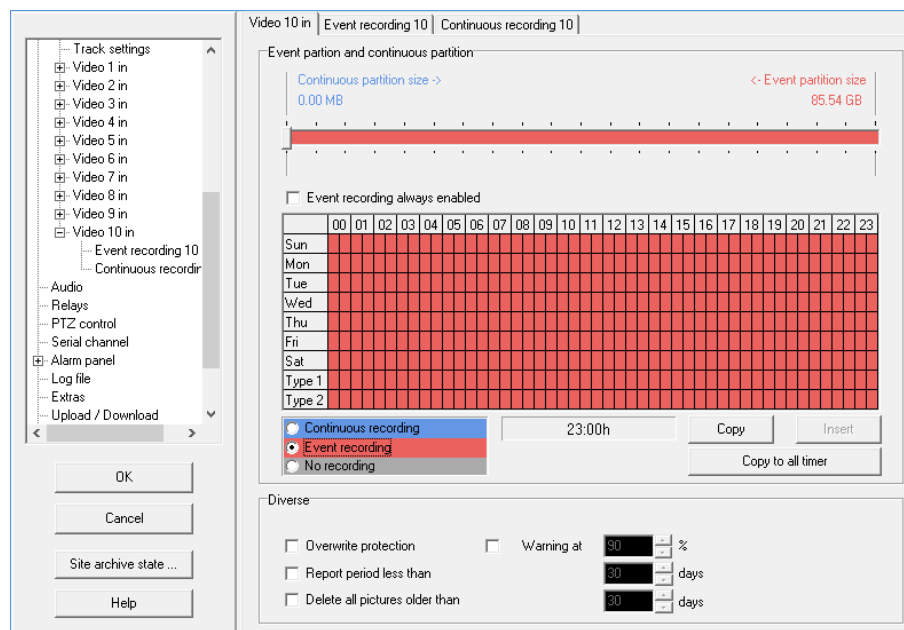
(note: Trigger level setting has no bearing on operation in this instance)

- 3) Go to Alarms / Motion detection tab and tick the box for each relevant camera:



	Camera name	Motion alarm enabled (internal cameras only)
1	1080VFD h264	<input type="checkbox"/>
2	1080VFD mjpg	<input type="checkbox"/>
3	540VRD h264	<input type="checkbox"/>
4	540VRD mjpeg	<input type="checkbox"/>
5	2MPBXDN h264 (GET)	<input type="checkbox"/>
6	2MPBXDN mjpeg	<input type="checkbox"/>
7	2MPVRD h264	<input type="checkbox"/>
8	1080VRD h264 (GET)	<input type="checkbox"/>
9	eclipse2x	<input type="checkbox"/>
10	VK2-VGABX (motion)	<input checked="" type="checkbox"/>

- 4) Go to Site archive and expand so that the individual Video in is displayed.
- 5) Select the Video input you want to change.
- 6) Using the sliding scale, allocate how much space between 'Continuous partition' and 'Event partition' size (below, all of the partition is allocated to Event).



Video 10 in | Event recording 10 | Continuous recording 10

Event partition and continuous partition

Continuous partition size -> 0.00 MB

<- Event partition size 85.54 GB

☐ Event recording always enabled

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								
Type 1																								
Type 2																								

☒ Continuous recording 23:00h

☒ Event recording

☐ No recording

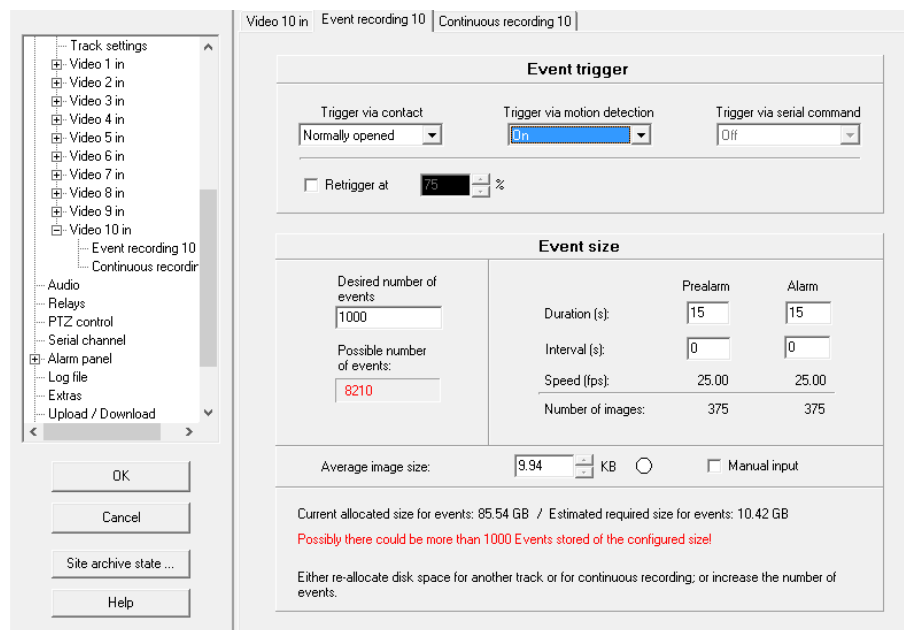
Diverse

☐ Overwrite protection ☐ Warning at 90 %

☐ Report period less than 30 days

☐ Delete all pictures older than 30 days

- 6) Click on the Event recording tab and ensure that Trigger via motion detection is ON. Also set up your Pre-alarm & Alarm duration and interval (recording speed).



Video 10 in | Event recording 10 | Continuous recording 10

Event trigger

Trigger via contact: Normally opened

Trigger via motion detection: On

Trigger via serial command: Off

☐ Retigger at 75 %

Event size

	Desired number of events	Possible number of events	Duration (s)	Interval (s)	Speed (fps)	Number of images
	1000	8210	15	0	25.00	375

Average image size: 9.94 KB ☐ Manual input

Current allocated size for events: 85.54 GB / Estimated required size for events: 10.42 GB

Possibly there could be more than 1000 Events stored of the configured size!

Either re-allocate disk space for another track or for continuous recording; or increase the number of events.

(note: Trigger via contact operation setting has no bearing on operation in this instance)



7) Click OK to save changes, then OK on the pop up box, the changes will then be applied to the Smart device.

Please note that failure to set up your Smart device, as per the instructions could lead to the incoming alarm function not working, or the incoming alarm call working, but not stored as an event in the archive (please note that even with correct set-up, alarms generated by the VK2 Alarm In (AI), will still be listed as "M" in the Site Archive Events list).

Note: in most instances, the latest version of firmware is embedded within the latest software. For details of what the new firmware provides, please see the firmware history.txt file for the relevant Smart device (part of the release pack notes).

- 1) Download the firmware to the PC or copy from a USB and extract all files (if it is in a compressed/zipped folder)
- 2) Copy the extracted files into C:\Vistacont\DeviceUpdates (see image below - this assumes you have carried out the default installation for the SmartControl software)

END