

Setting Up Motion Detection on a G4-504HD1a

To setup motion detection on a G4-504HD1a complete the following instructions.

When you have a 2 camera Stop Arm system as part of your setup these cameras should be set to Channel 1 and Channel 2.

On a single camera Stop Arm system as part of your setup the camera should be set to Channel 1.

1. Ensure that the loaded Firmware version is X3H_V232.C_T170803.3 or later. If the firmware does not match this criteria please contact Gatekeeper Systems technical support (1-604-864-6187) for assistance.

To verify your Firmware version go to the System icon on the main screen of the ICD2 or connected external screen.

2. Select Setup on the main screen.
3. Select the Collection tab.
4. Under SENSOR select Sensor number 3.
Set the following: Sensor Name = StopArm
OSD Name = SA
Sensor uses = Stop Alarm
Select SAVE.

5. Select the Surveillance tab.
6. Choose Record on the left hand side
7. Next select Main Stream from the tab list.

8. Enter the following settings for a 2 camera Stop Arm system:

Channel	Channel Name	Enable	Record Mode
1	CH1	CHECKED	ALARM
2	CH2	CHECKED	ALARM
3	CH3	CHECKED	POWER UP
4	CH4	CHECKED	POWER UP
5	CH5	CHECKED	POWER UP

Enter the following settings for a 1 camera Stop Arm system:

Channel	Channel Name	Enable	Record Mode
1	CH1	CHECKED	ALARM
2	CH2	CHECKED	POWER UP
3	CH3	CHECKED	POWER UP
4	CH4	CHECKED	POWER UP
5	CH5	CHECKED	POWER UP

9. Once these settings are set select SAVE.
10. Select the Alarm tab.
11. Choose Base on the left hand side.
12. Next select IO alarm from the tab list.
13. Select the StopArm entry and make sure that it is set to Enable.
Set Alarm Type to Alarm
Click on Setup under Trigger. Trigger should = High; Effective Time = 10 seconds; Select OK.
Click on Setup under Linkage.
Channel = All channels selected

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Post Recording = 30 seconds

Linkage Screen = Single; select setup to the right of single and select CH1. Select OK. (This will display channel 1's output as full screen when the Stop Arm is activated and motion has been detected.)

Select OK.

Select SAVE.

14. Still in the Alarm menu select Video on the left hand side.

15. Select Motion from the tab list.

16. Make sure Motion is checked.

Alarm Type is set to Alarm.

Select Setup listed under Trigger.

Enter the following values.

Check Box	Channel	Sensitivity	Area	Car keys status	Speed
Selected	3	6	Setup	Close	0
Effective Time = 10 Seconds					

17. After selecting Setup under Area you will be presented with a screen setup with a grid pattern. Drag across the screen to remove unwanted areas, those in which you do not want to have in the motion detection area. The Area left covered by Green squares will be the motion detection area.



Once the area has been selected select Exit on the ICD2.

Select OK on the Motion Detection Set screen.

18. Select SAVE.

19. Select Setup under Linkage.

Channel = Channel 1 and 2 ONLY selected (For a 2 camera Stop Arm system).

Channel 1 only selected (For a 1 camera Stop Arm system)

Post recording = 30 seconds.

(These are the only selections that need to be made)

20. Select OK

21. Select SAVE.

22. Motion Detection should now be setup.

23. Activate Sensor 3 and verify that when there is motion detected on Channel 3 that the DVR goes into record mode on Channels 1 and 2 on a 2 camera Stop Arm system and into record mode on channel 1 on a 1 camera Stop Arm system.