

Important.

This document relates to adding Motion Detection functionality to a G4-504HD2 primarily when using a SP422 camera based system, though motion detection can be added to any channel or combination of channels.

To verify the current firmware version installed on the G4-504HD2 access the System menu on either an ICD2 or external LCD screen fingermouse configuration. The firmware version will be displayed on the System →Version Info screen.



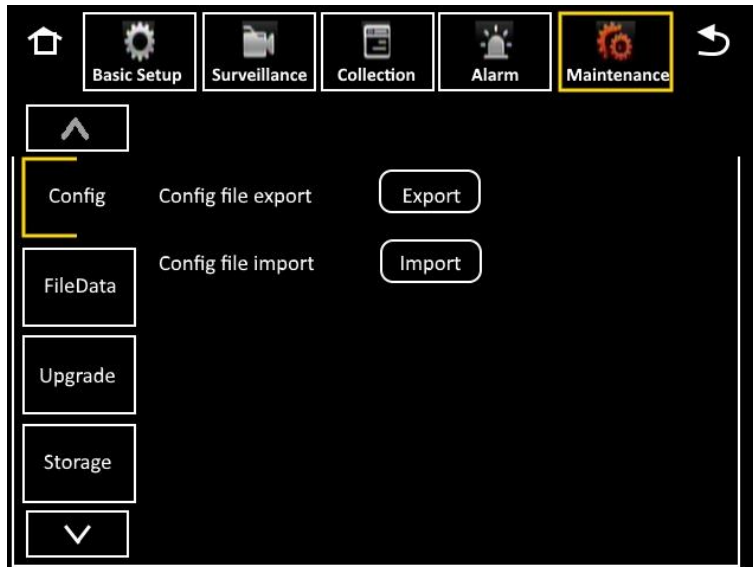
For Motion Detection to function on a G4-504HD2 the firmware must be T2016082290 or later. When updating the firmware on a G4-504HD2 use ONLY the approved firmware as provided by Gatekeeper Systems.

Note: Make a detailed note of the current configuration in regards to Date/Time settings; Time Zone; Camera(s) setup; Sensor Naming; etc. as once the firmware upgrade has been completed the G4-504HD2 will need to be re-configured.

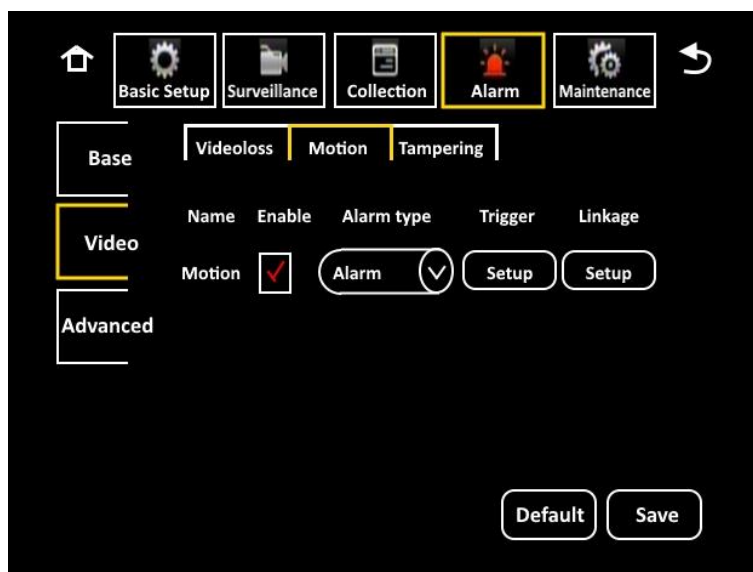
- On a USB flash drive create a folder called Upgrade.
- Copy the Gatekeeper Systems provided firmware update in to the folder just created.
- Do Not change the filename or make any other changes to the firmware file.
- Power up the G4-504HD2.
- Insert the USB flash drive which contains the firmware upgrade.
- Using an ICD2 or external LCD and fingermouse combination navigate to Setup → Maintenance → Upgrade and select Device upgrade.
- A message box will appear asking if you are sure you wish to upgrade the system.
- The Upgrade will begin. Do Not Interrupt this process.
- Follow the on-screen instructions.
- Once the Upgrade has completed reboot the system: Maintenance → Reset System reboot.
- Once the system has rebooted verify the new firmware version; navigate to System → Version Info.

504HD2 Motion Detection Set-Up

1. Start-up 504HD2 DVR
2. Connect ICD2 monitor to 504HD2 DVR
3. Plug in USB drive provided by Gatekeeper Systems
4. Log into the setup menu
5. Navigate to Maintenance>Config
 - a. Click "Import" beside Config file import

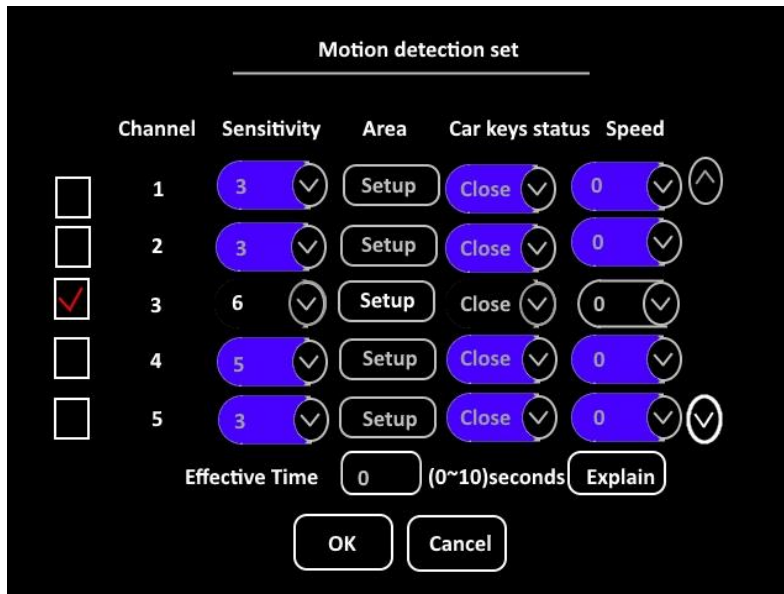


6. Navigate to Alarm>Video>Motion



7. Enable the Motion Alarm, make the Alarm Type "Alarm"
8. Click "Setup" under "Trigger"

G4-504HD2 Firmware Upgrade.



9. Enable CH3 (Forward facing overview camera), set the Sensitivity to 6, Car keys status to Close and Speed to 0.
10. Click the "Setup" button under "Area" to set up the motion detect area.
 - a. The Green Squares is where the motion field is set. To remove the excess green squares press on the ICD2 Screen and drag to highlight the area.



11. Once set click the EXIT key on the ICD2
12. Click "OK" at the bottom of the Motion detection set screen.
13. Click "Save"
14. Next click "Setup" under "Linkage"
15. Select Channels 1, 2, 3, 5, and 6. Set Post Recording for 30 Seconds, Click "OK"

G4-504HD2 Firmware Upgrade.

Alarm linkage

Channel 1 2 3 4 5 6

Post recording (0~1800)Sec

Lock

Linkage IO Output 1 2

Output delay time (0~255)seconds

Linkage screen None Setup

OK Cancel

16. Click "Save"
17. Exit to the preview screen.
18. Activate the stop arm. Drive a car through the stop arm and verify that it records.