Hikvision AcuSense Live-Guard Solution

NVR Web-Interface Set Up Guide

1 What's AcuSense Live-Guard Solution?

1.1. Solution introduction

This solution allows you to arm/disarm the push notification from the NVR and the alarming functions from the Acusense camera via the Hik-Connect APP and or NVR alarm input interface. So that customers don't receive these notifications and or alarms while they are in close proximity to the device and don't require the devices to notify them.
Two types of solutions are configurable.

1. **Hik-Connect APP** can be used to turn off notifications from Acusense cameras and also stop cameras from alarming locally. The APP has more modes that are selectable like Away and Stay arming allowing you to create up to 4 areas that can be controlled.
   (Please note NVR alarm input isn't required in this set up, the function is controlled entirely by the Hik-Connect APP)

2. **The NVR Alarm Input 1** can be used to turn off notifications from Acusense cameras and also stop cameras from alarming locally. So if customer has the AXHub Wireless alarm with a relay output module this can be used to control the alarm input on the NVR so the APP isn't required in this mode. Also any 3rd party device that has a dry contact output will be able to control this feature.

   Continue reading for more information on each of these Live Guard solutions.

1.2. Main Functional concept interpretation

- Away Arm:

This function is suitable for the scenario that there is no one in the detection area and the users want ALL the cameras in the arming status, any event that be triggered by any camera will push a notification to the user's APP.

- Stay Arm:

This function is suitable for the scenario that there is someone in the detection area, the users want to let partial cameras do NOT in the arming status in case the camera trigger unneeded alarm event.

- Dis-Arm:

This function is suitable for the scenario that the users want to let all the cameras do NOT in the arming status, in this mode, no alarm will be triggered and no notification will be pushed to the APP.

- Clear Arm:

This function is used to cancel the alarm that is triggering, the user has got that alarm and want to cancel it immediately, Once this button is tagged, all the alarm that is being triggered will be stopped at once.

- Stay Arm Bypass:

This function is used to set that in Stay Arm mode, which cameras the users want to turn off the arming status. If the function is turned on, then in Stay Arm mode, this camera will not trigger any alarm or notification. But in Away Arm mode, this function does not take effect, the camera will still in the arming status.

- Area: It is a subsystem that can contains multiple cameras
- Camera: Every camera should exist in an area and be treated as an alarm system sensor.

2 System Configuration and Function

Please follow below steps to finish configurations to make sure the solution works properly.

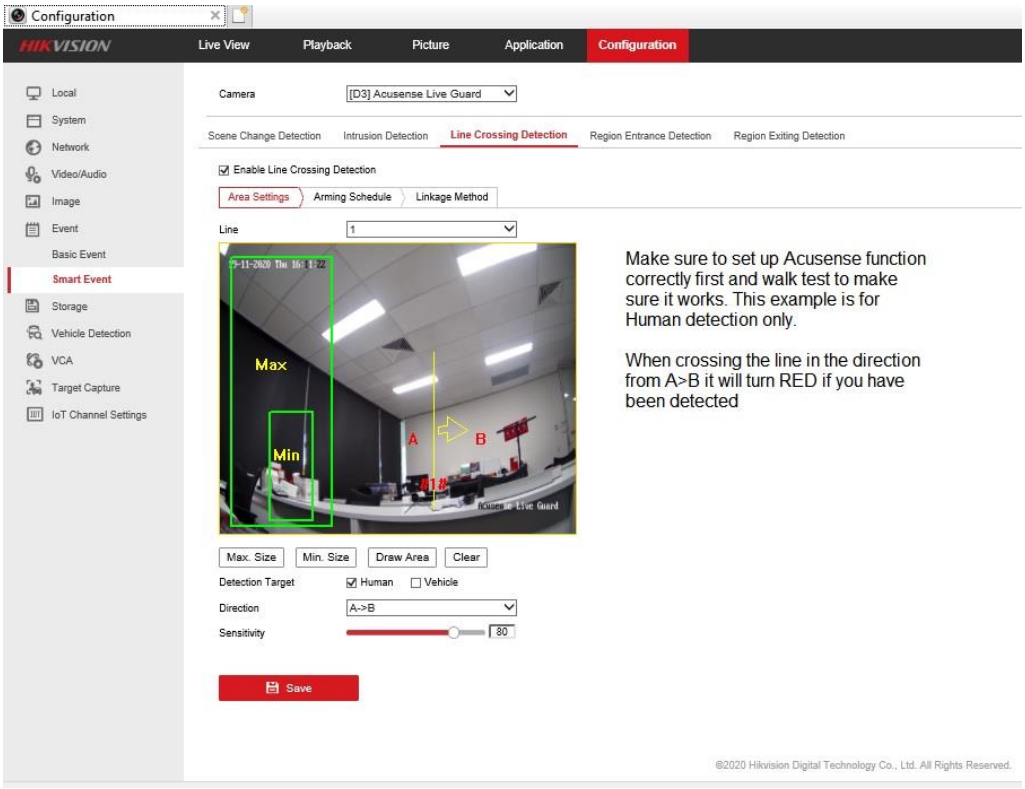
2.1 Configuration on NVR Web Interface.

Add AcuSense Live Guard cameras to the NVR, and do the following configuration

Step1: Configure the alarm event type

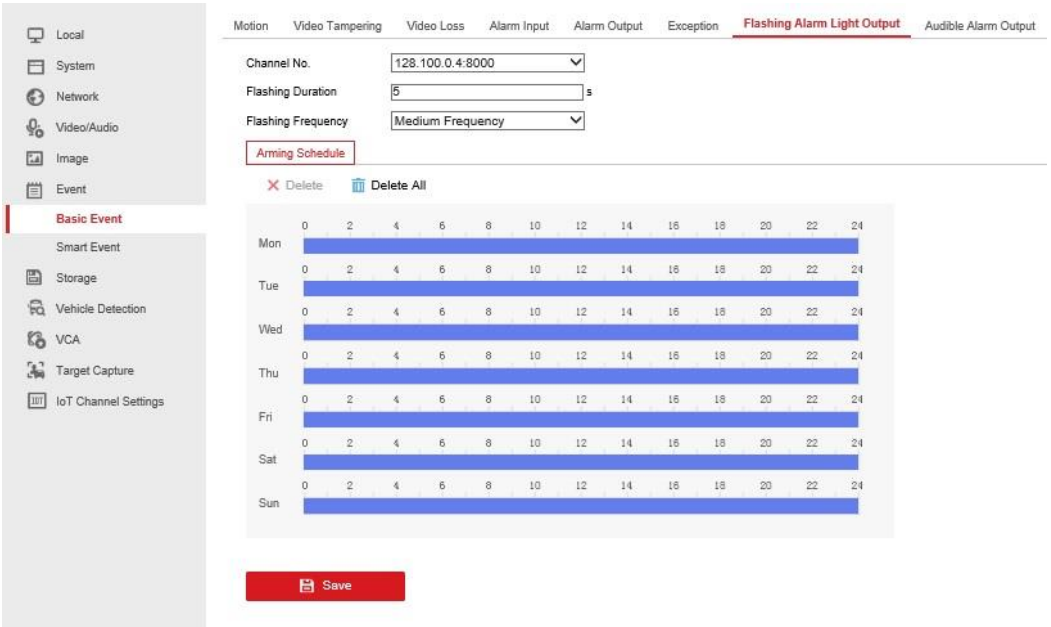
Three events are supported: Motion event/Line crossing event/Intrusion event.

Let's take 'line crossing event' as an example:
Enable this function, draw the detection area and select the target type

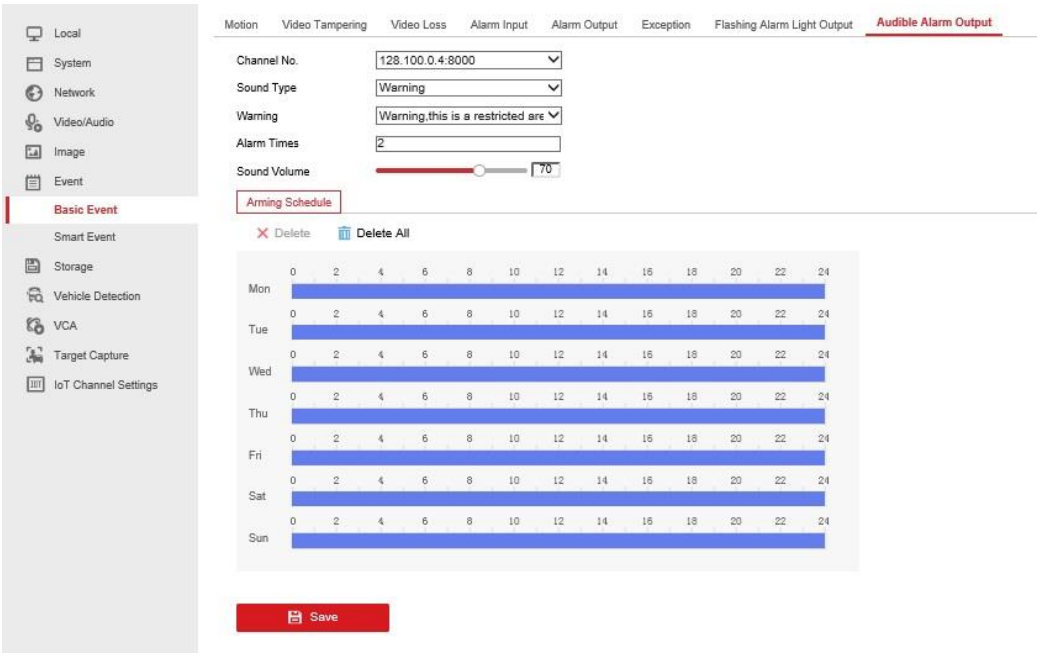


Set up your **Flashing Alarm Light Output** and **Audible Alarm Output** parameters as required. This is what you would do normally for an Acusense camera under Basic Event.

Flashing Alarm Light Output Settings



Audible Alarm Output



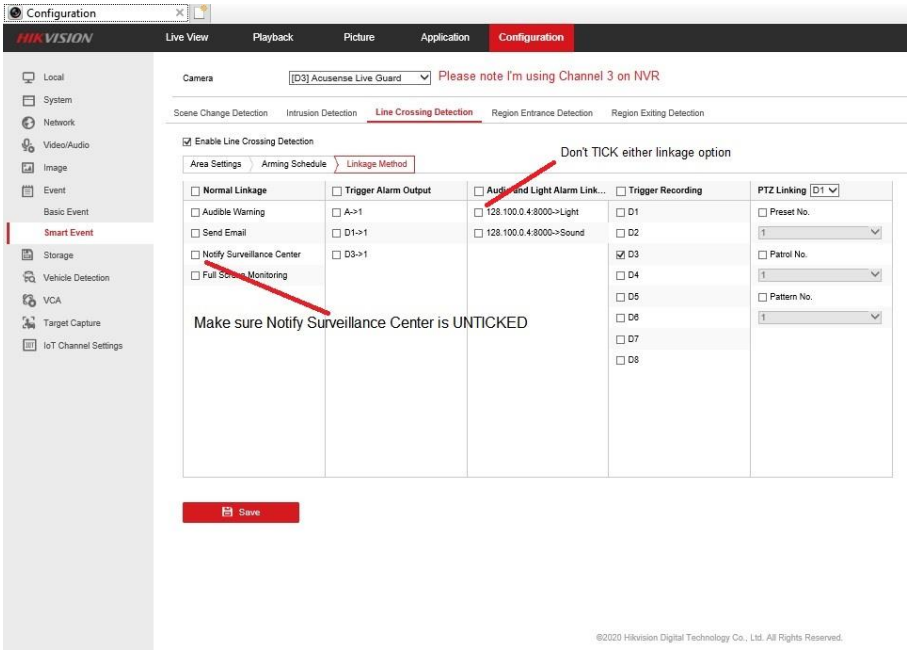
Step2: Configure the linkage action

Do **NOT** enable the notify surveillance center function.

All other functions are default as below.

Notify Surveillance Center, Audio and Light Alarm Linkage UNTICK.

Please note I'm using channel 3 on the NVR that's why Trigger Recording D3 is ticked.



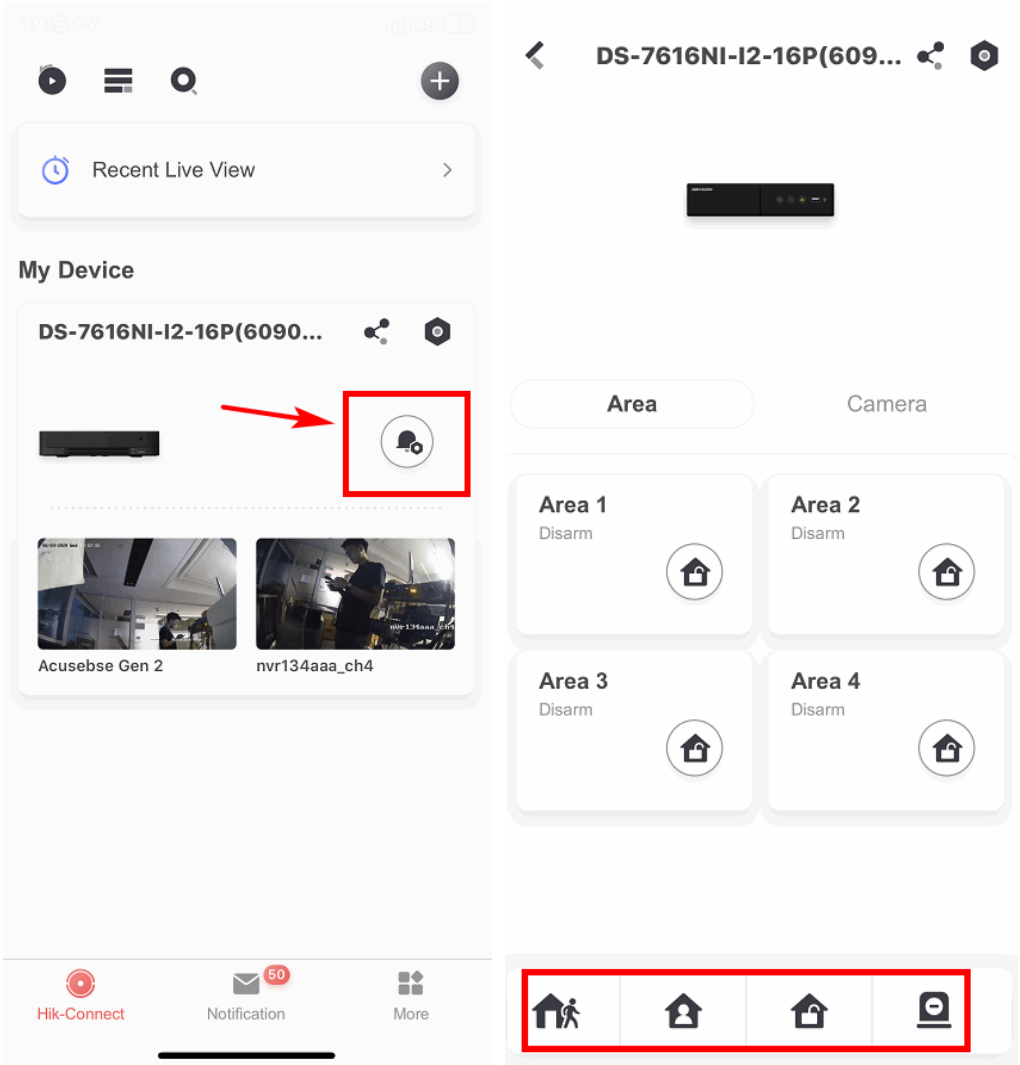
Step3: Add the NVR to the Hik-Connect APP

Add the NVR to your Hik-Connect APP through scanning the QR code in 4G network

2.2 How to use the solution

Before doing configuration and setting on the APP, make sure the Hik-Connect APP is V4.5 or above.

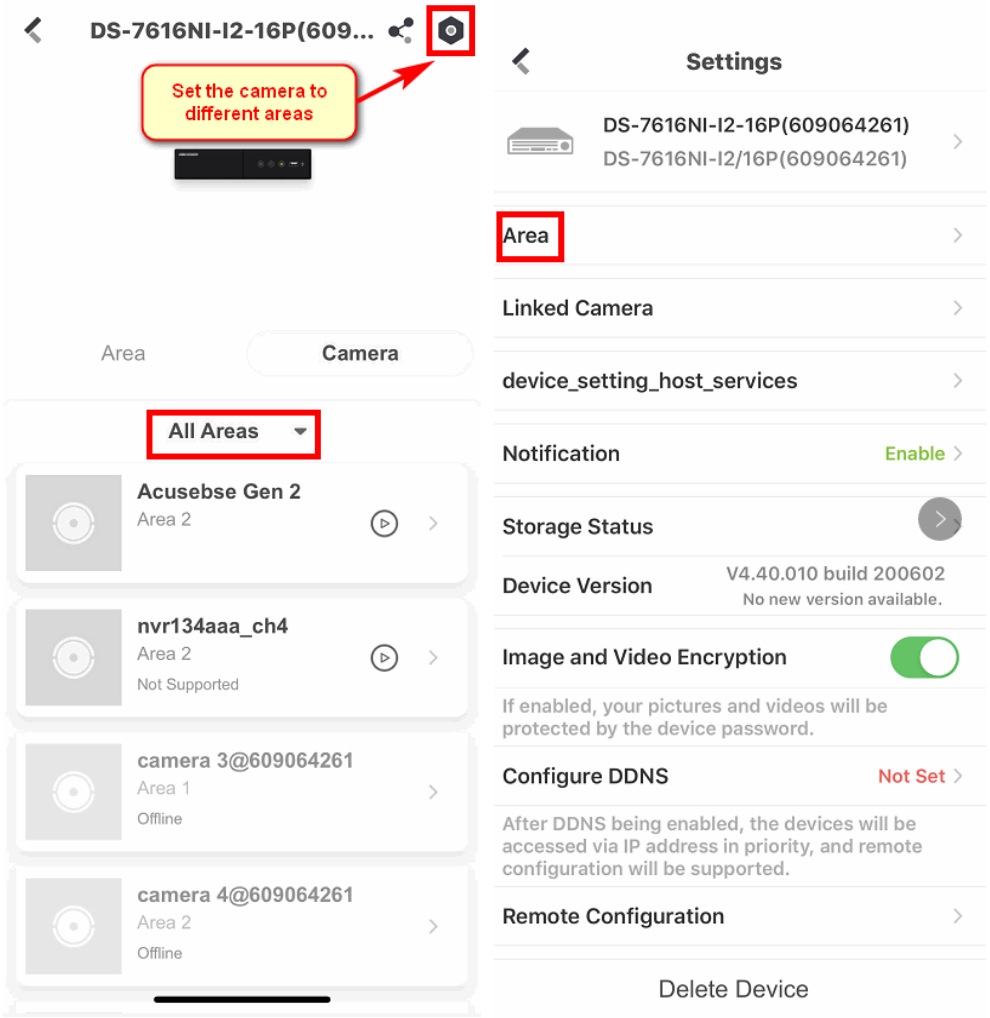
1, Click the alarm button then it will go to the alarm system menu, in the bottom of this menu, it will show the four main functions in this system.

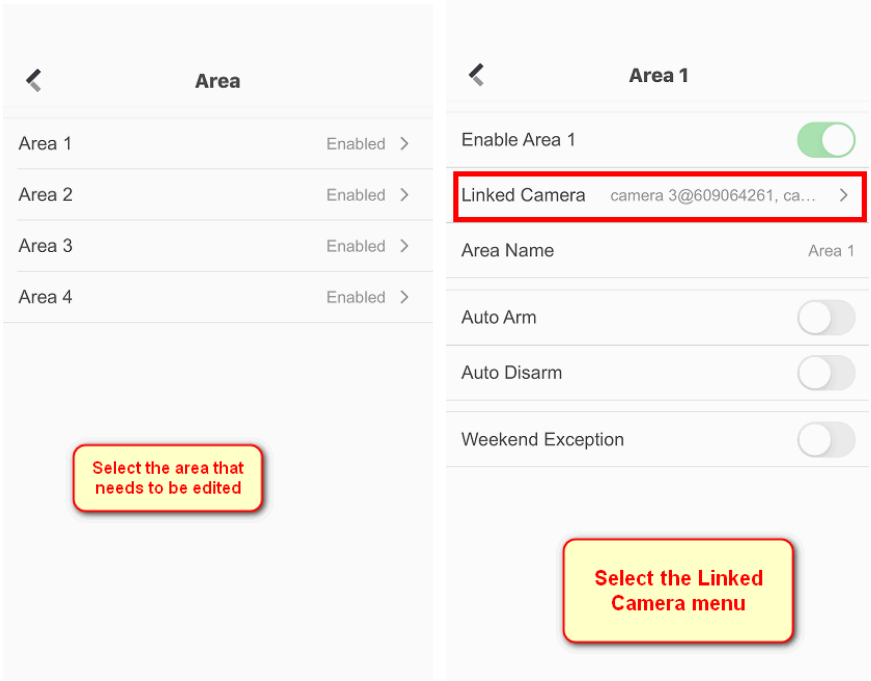


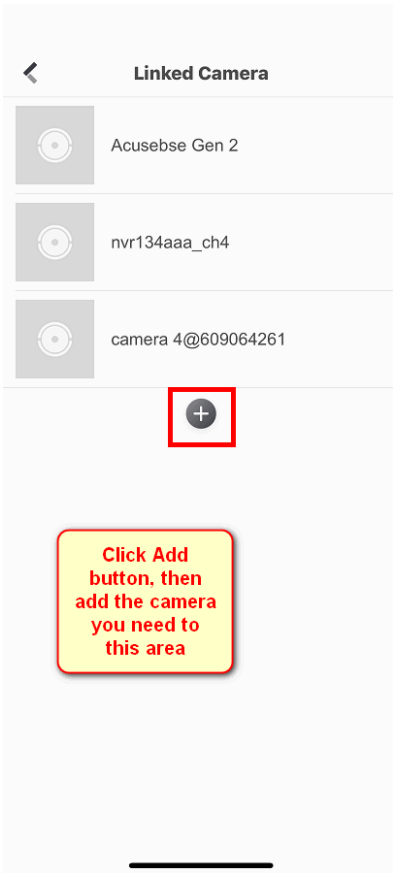
In the area menu, user can set every area mode. The solution supported up to 4 areas.

In the camera menu, users can see cameras list in all areas or the area that be selected. All the cameras are added to area 1 by default.

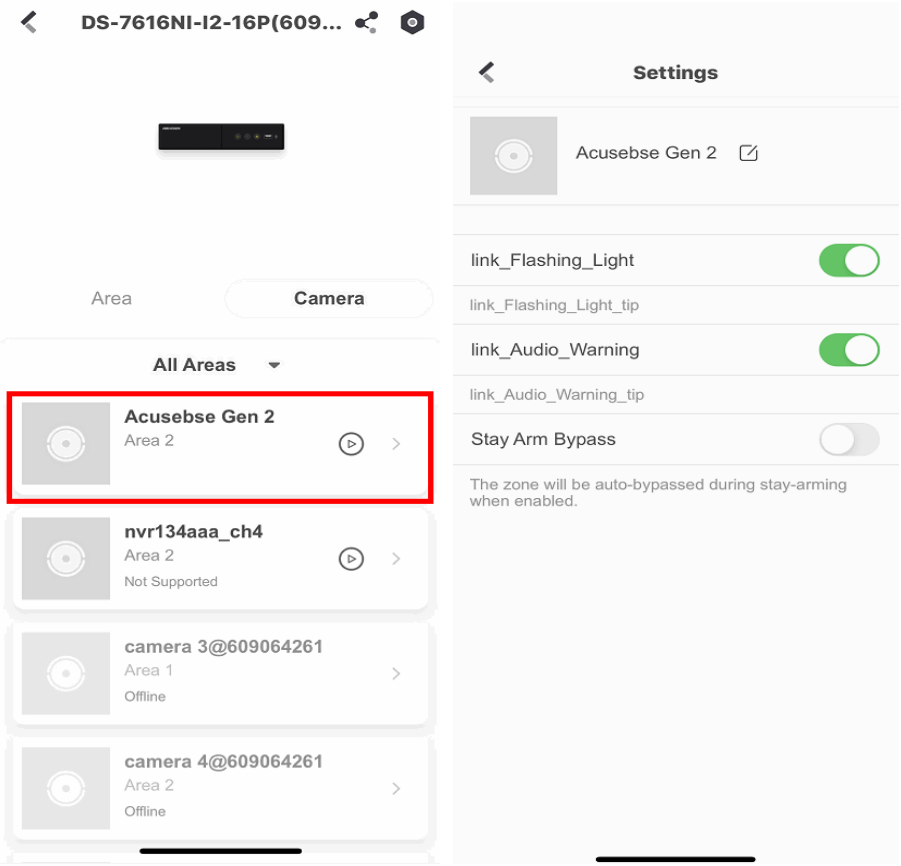
If the user need to add some cameras to area 2 or 3 or 4, then should click the setting button on the right top corner







2, On camera list page, click the camera to access configurations.



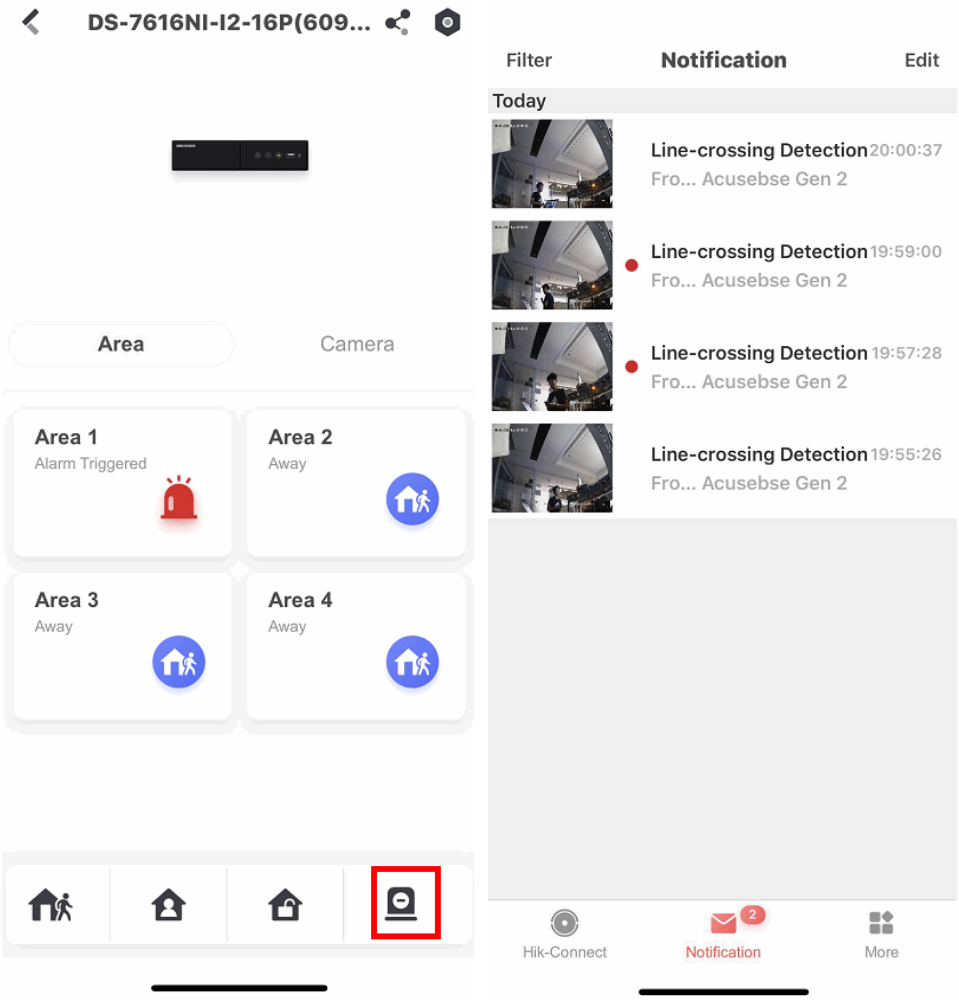
There are two linkage actions for each camera: Flashing light and Audio Warning. If these functions are enabled, it means that there will be flashing light and audio warning when event is triggered.

Stay Arm Bypass function is disabled by default. If this is disabled, it means that this camera will still be in arming status in Stay Arm mode, which means the alarm will still be triggered, including flashing light, audio warning and pushing notification in APP.

Enable this function, the result is: if the area is in stay arm mode, then this camera will NOT be in arming status, the event will not trigger any linkage action, includes flashing light, audio warning, pushing notification in APP.

2.2.1 Clear arm when triggering

If the alarm is being triggered and the owner has got it. Then the clear arm function can shut down the alarm immediately including the flashing light and audio warning. But the notification will still be in the log.



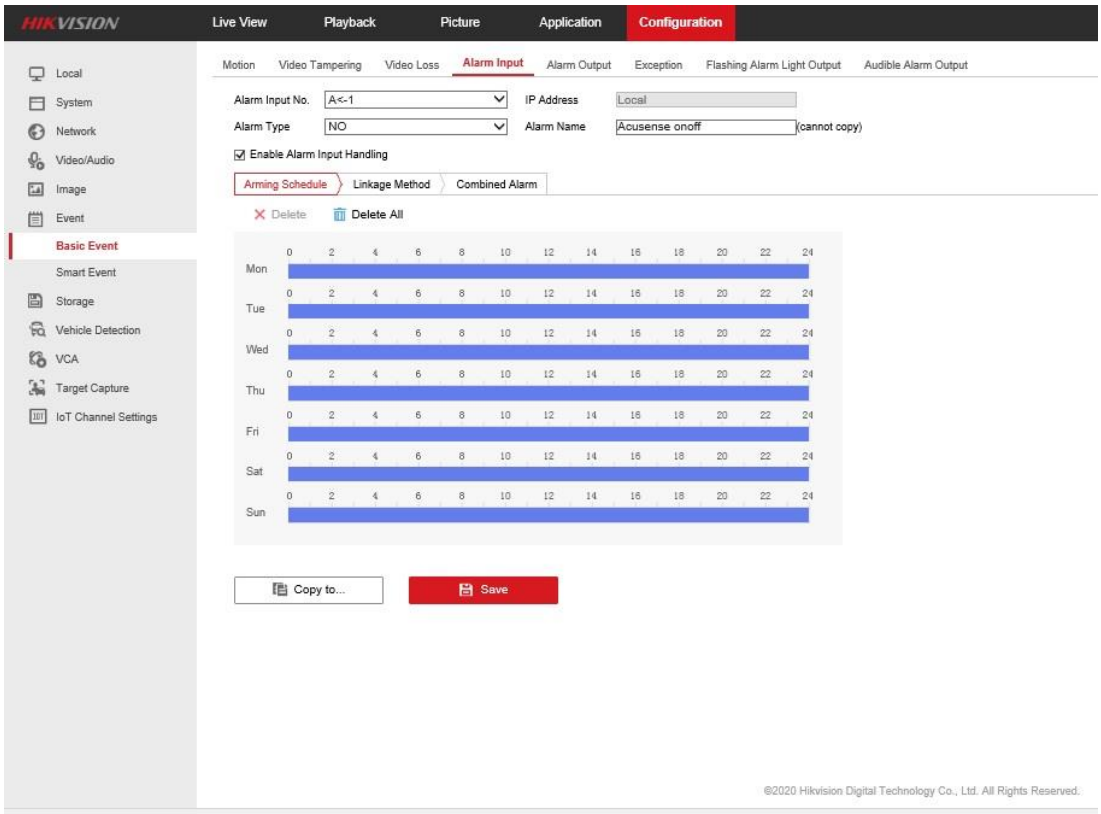
2.3 Arm/Disarm the Solution via NVR alarm input

2.3.1 Function description

Now Acusense Live-Guard Solution supports arming/disarming Gen 2 AcuSense live guard models with alarm input 1 on Hikvision I series NVR. It needs Open/Close Switch to arm/disarm the system. (Push button is another different trigger way.)

2.3.2 How to configure

Go to 'Basic Event-Alarm Input'
1, Select A<-1 from Alarm Input No. drop down list.
2, Set Type as N.O.; (signal detected = arm; no signal detected = disarm)
3, Type in Alarm Name if required.
4, Don't need any Linkage Method or Combined Alarm settings.
5. Make sure to tick 'Enable Alarm Input Handling'

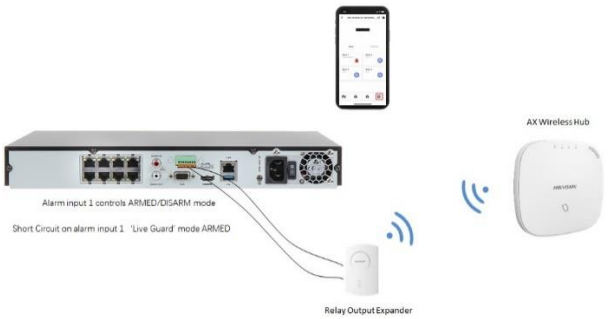


2.4 Operation explanation

2.4.1 NVR operation without Hik-Connect APP

If you apply a short across the alarm1 input it turns ON live guard mode, and all live guard cameras will be active in live guard mode. And obviously removing the short turns live guard mode off.
So can use AX Wireless Hub to do this…with Relay Output Expander.

2.4.2 NVR operation with Hik-Connect APP and AX Wireless Hub



Setup: You need to use the Alarm1 Input of the NVR (in NO state), and with the AX Wireless Hub you need the Wireless Relay Output Expander.

ARM your AX Wireless Hub which shorts the Alarm1 Input on the NVR and turns 'ON' LIVE GUARD mode and if you refresh your APP you will notice it has turned AWAY mode ON.. meaning all cameras in that area are LIVE GUARD mode active.

DISARM AX Wireless Hub which removes short across Alarm1 Input of NVR then refresh APP and you will see that the area has been DISARMED so LIVE GUARD mode is OFF..

So be aware and note:

You can use the APP to turn ON/OFF live guard mode whether the AX Hub is ARMED or DISARMED and vice versa, you can control live guard mode with NVR input no matter what state the APP is in.. You just need to refresh the APP if you change state of NVR Alarm1 Input..

But in this one instance… If you ARM LIVE GUARD mode using AX Hub and then DISARM using APP the NVR still has a short across the Alarm1 Input so HOW can we ARM the LIVE GUARD mode using the AX Hub you can't unless you DISARM AX Hub and then ARM, so point is if the Alarm is ARMED and they turn off LIVE GUARD via the APP if they want LIVE GUARD 'ON' then they should use the APP to turn it back 'ON' otherwise they have to DISARM and ARM the AX Hub.