

<b>Title:</b>	Recording on the Press of a Button	<b>Version:</b>	1.0	<b>Date:</b>	3/6/20
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<b>Action Required:</b>	None, Information Only				

## Summary

In some cases, it is required to have an NVR or a DVR record on a press of a button. This can be a momentary push button or a latching button/toggle. Pressing a momentary push button will cause the system to record for 60 seconds (default). Pressing a latching button/toggle will cause the system to record until the button is pressed again. This bulletin shows the steps required to record on a press of a button.

**NOTE:** The unit used to create this technical bulletin is DS-9632NI-I8. The steps are identical for any model NVR or DVR with v4.x.x firmware.

## Information

Recording on the press of a button is a type of event recording.

**NOTE:** A single pair of wires from a CAT 5 cable was used for this example. For longer distances, a thicker (lower gauge) wire might be needed.

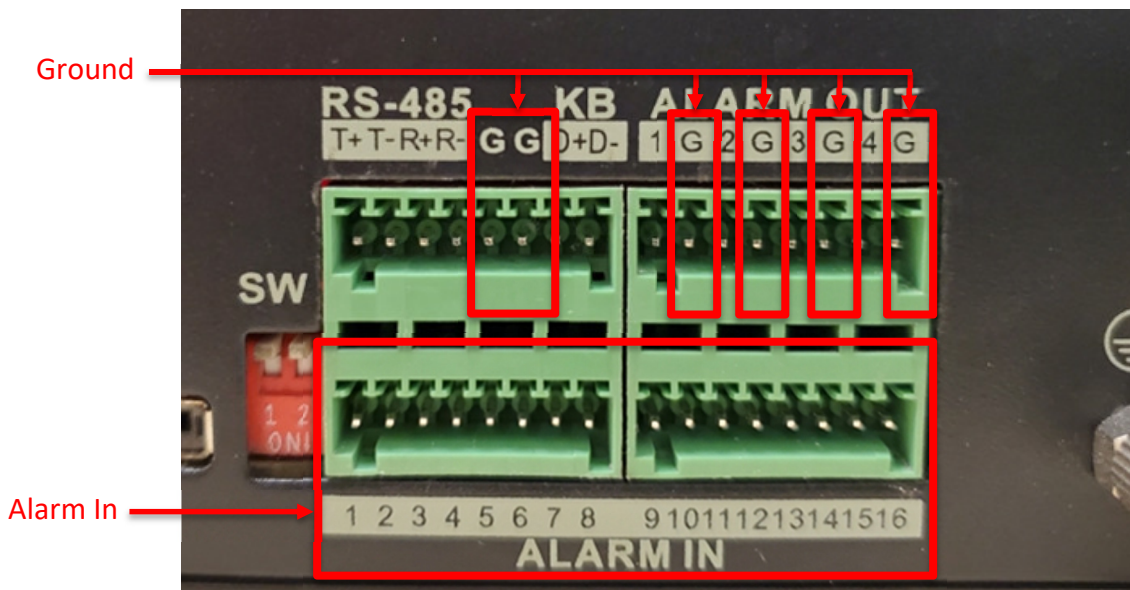


Figure 1, Alarm In Terminal Block (Terminal Connectors Removed for Clarity)

### CONNECT BUTTON TO TERMINAL BLOCK–ALARM IN

1. Connect one button’s lead to a ground (dry) contact on the NVR/DVR **Alarm In** terminal block.

**NOTE:** The contacts labelled “G” on the top two blocks are ground contacts. Grounding is shared between alarm inputs and outputs and can be mixed and matched.

2. Connect the other button’s lead to an **Alarm In** (dry) contact (#3 used in this example).

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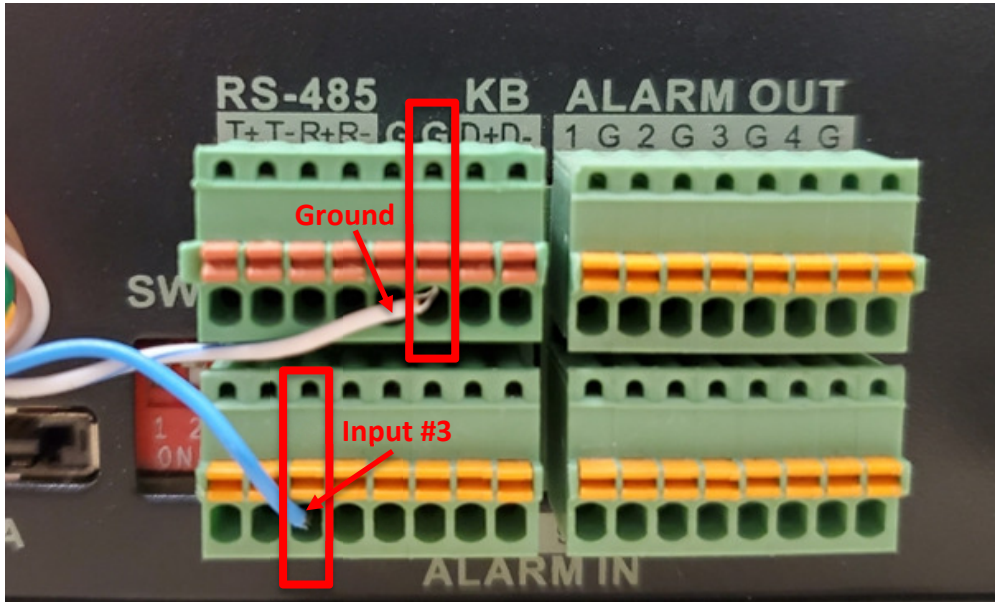


Figure 2, Button Wired to Alarm Input #3 (as an example) and Ground (Terminal Connectors Shown Installed)

## SET NVR/DVR RECORDING PARAMETERS

1. Change the recording schedule to “**Event Recording.**”
  - a) Go to **STORAGE → SCHEDULE → RECORD.**
  - b) Select the desired camera from the drop-down list.
  - c) Change the schedule from **Continuous** (blue) to **Event** (purple).
    - i. Click the purple ■ **Event** icon.
    - ii. Swipe cursor over the existing **Continuous** (blue) squares and turn all of them to **Event** (purple).
  - d) Click **Apply.**

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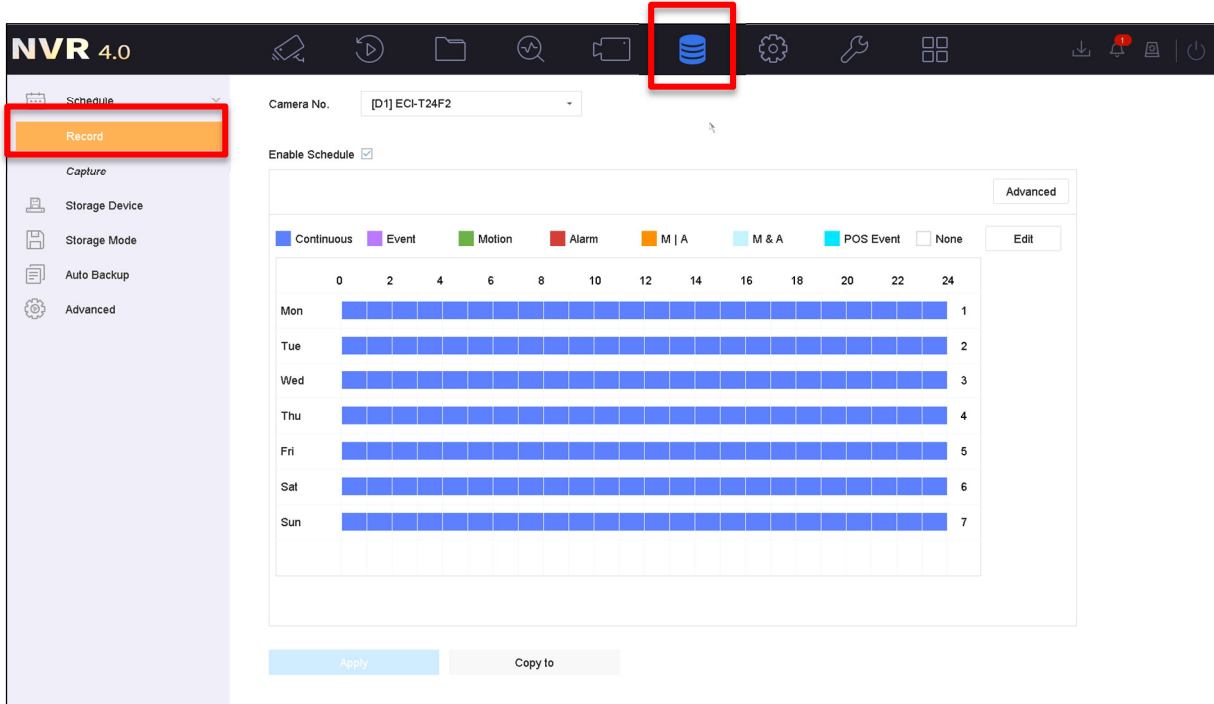


Figure 3, STORAGE > SCHEDULE > RECORD

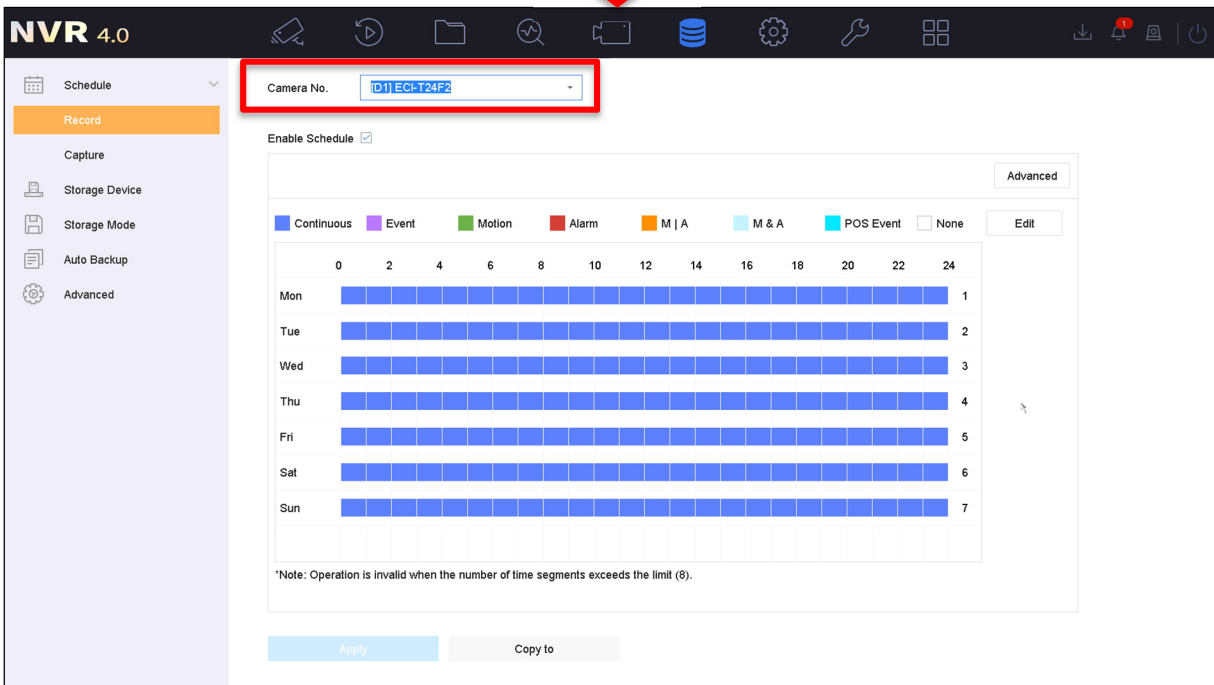


Figure 4, Camera Number

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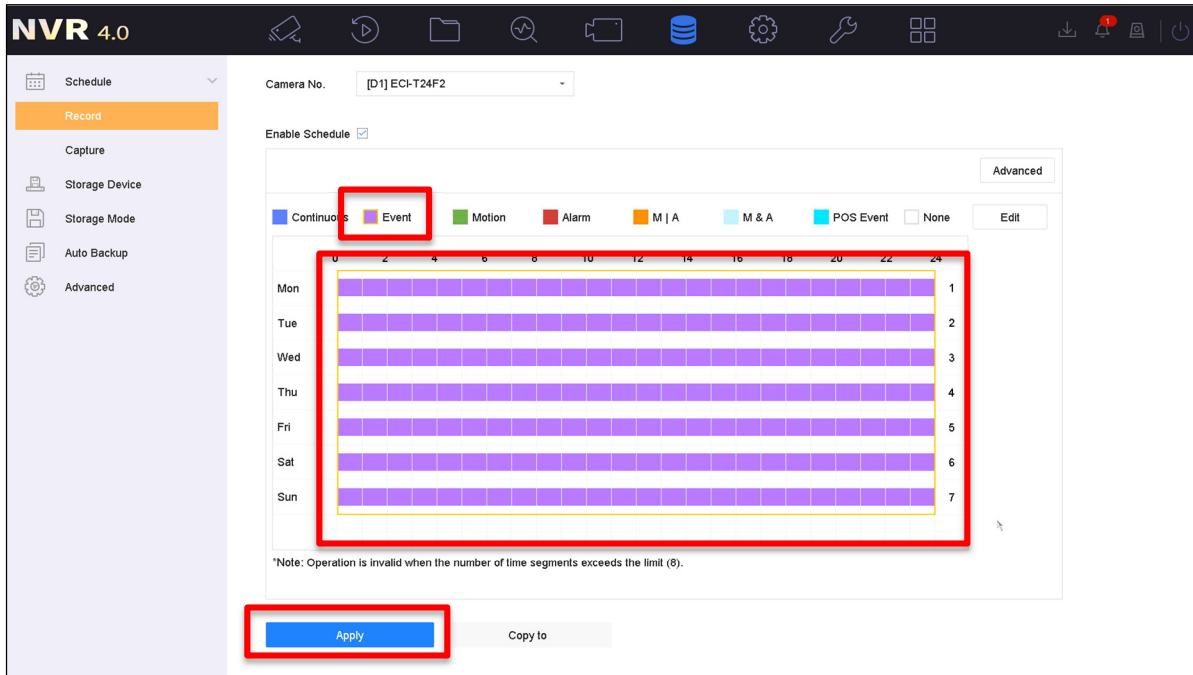


Figure 5, Change Schedule to Event

2. Disable **Motion Detection** to avoid unwanted recording.
  - a) Go to **SYSTEM → EVENT → NORMAL EVENT**.
  - b) Select **Motion Detection** (default).
  - c) Choose the desired camera from the drop-down list.
  - d) Uncheck the checkmark to disable motion detection.
  - e) Press **APPLY**.

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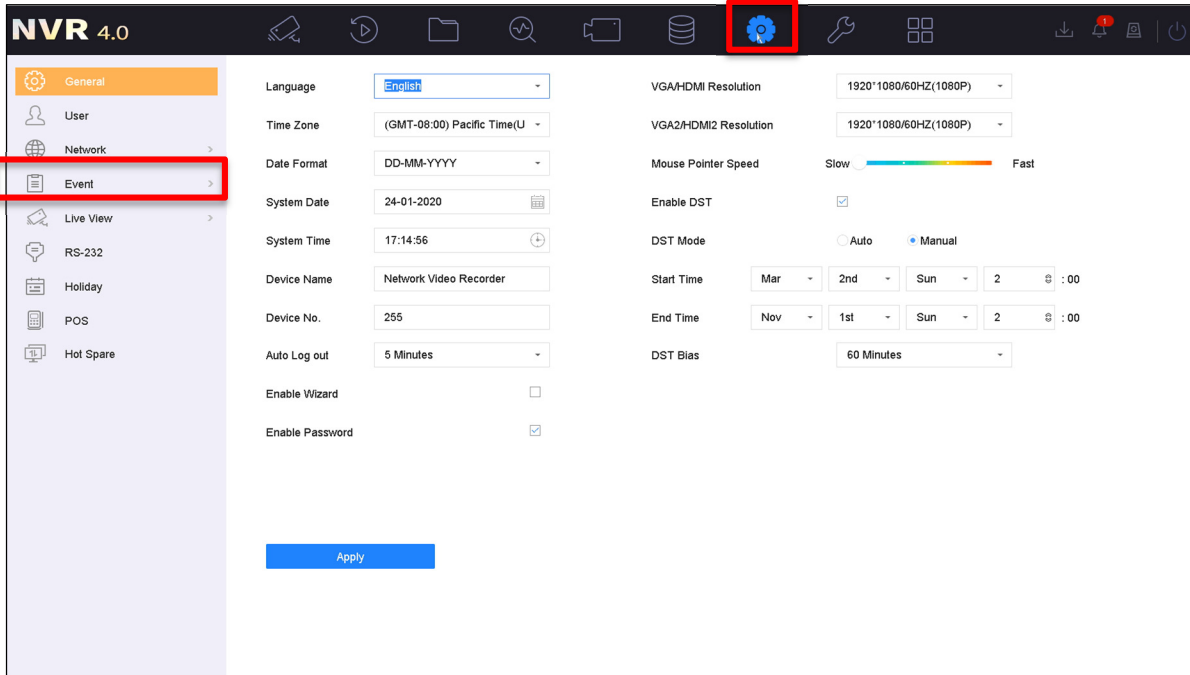


Figure 6, SYSTEM > EVENT

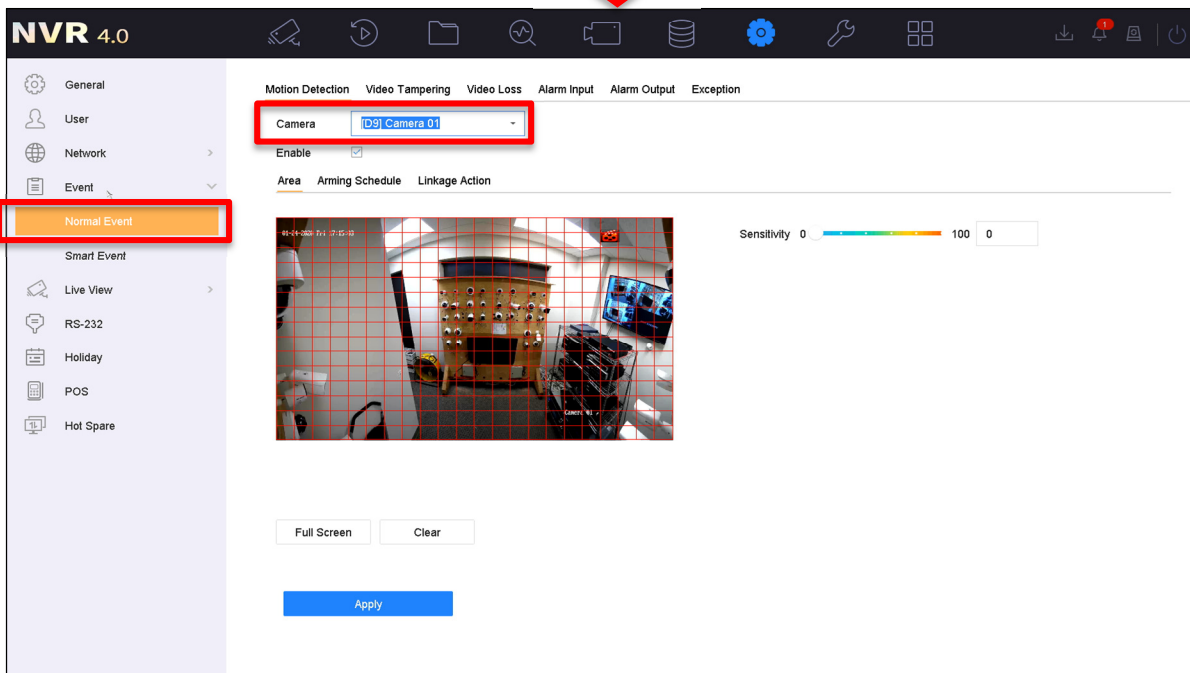


Figure 7, SYSTEM > EVENT > NORMAL EVENT > CAMERA

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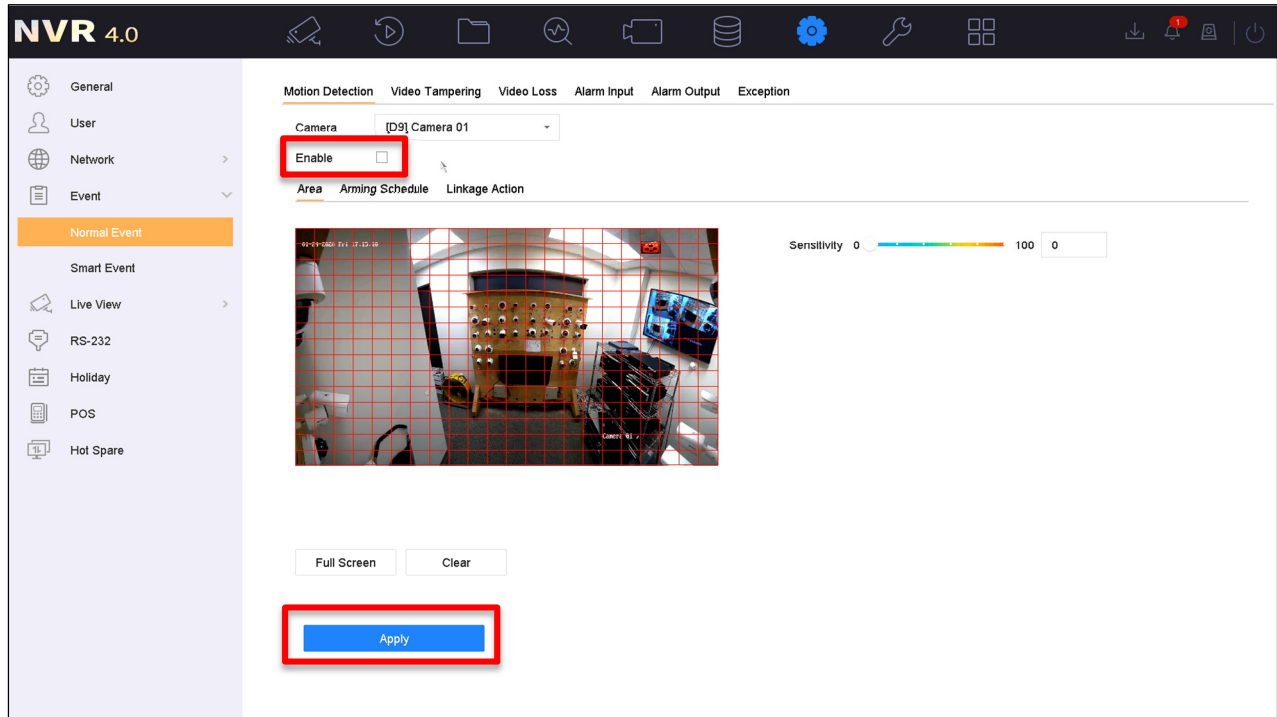


Figure 8, **SYSTEM > EVENT > NORMAL EVENT > MOTION DETECTION**

### 3. Enable alarm input.

- a) Go to **SYSTEM → EVENT → NORMAL EVENT → ALARM INPUT**.
- b) Click the **EDIT** button next to the desired input.
- c) Create a name.
- d) Change from a **NONUSE** state to **INPUT** state.
- e) Select the **Linkage Action** sub-category.
- f) Under **Trigger Channel**, select the desired camera to be recorded (in this example it is camera D21).
- g) Click **Apply**. The channel is now set to record on a press of the button.

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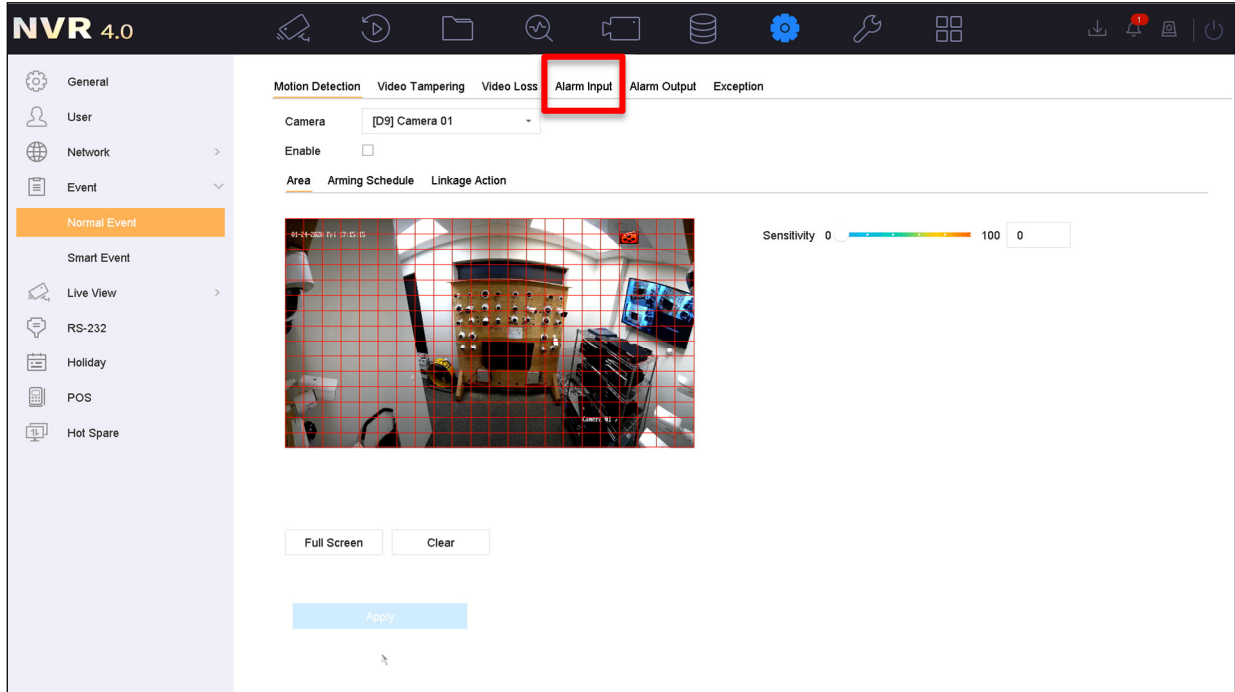


Figure 9, EVENT > NORMAL EVENT Alarm Input Selection Tab

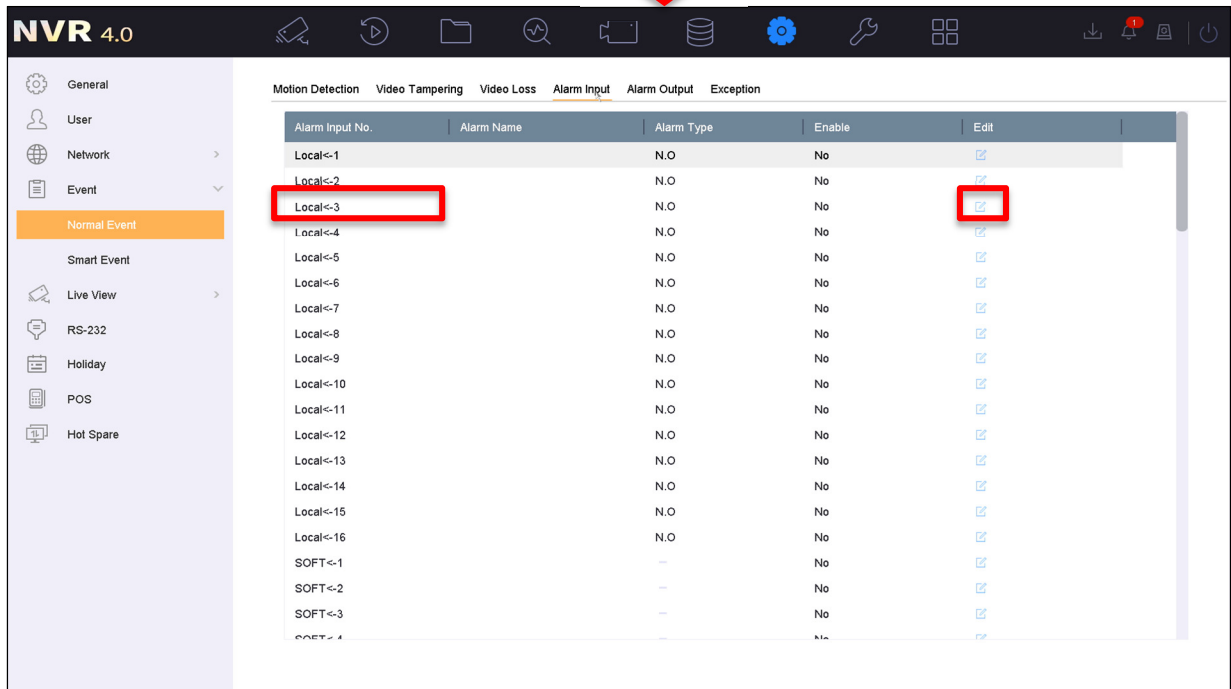


Figure 10, EVENT > NORMAL EVENT > ALARM INPUT (Example Shown: Alarm Input #3)



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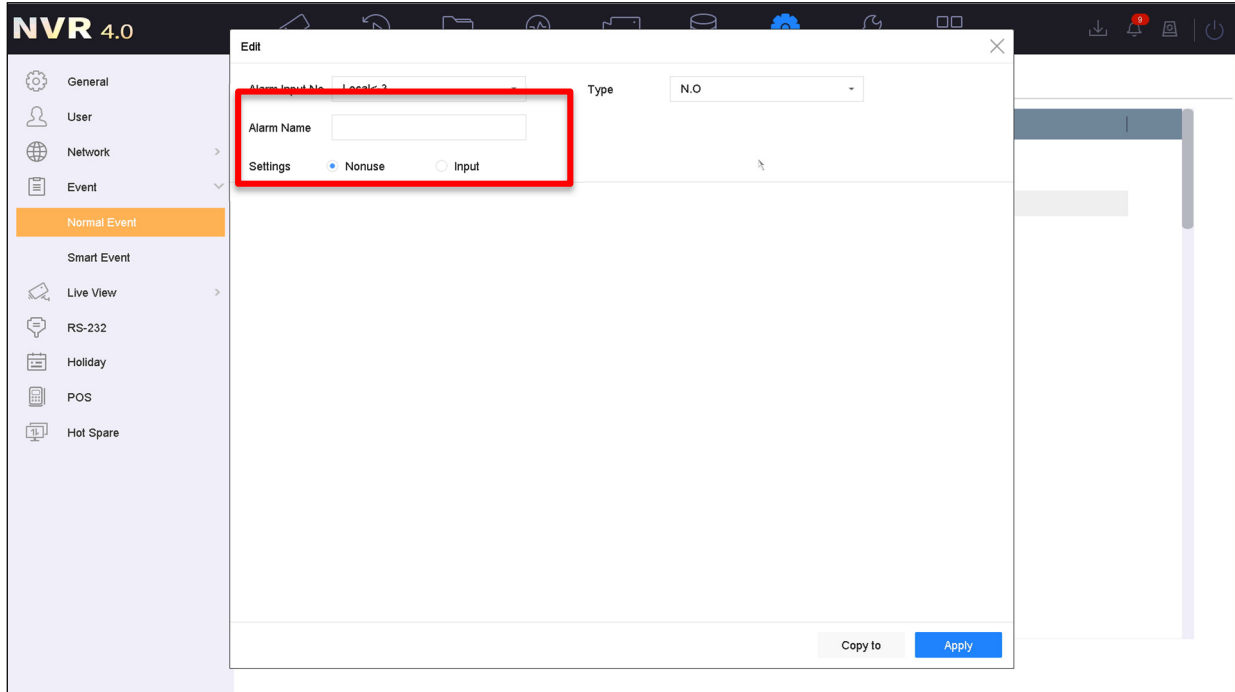


Figure 11, Alarm Settings

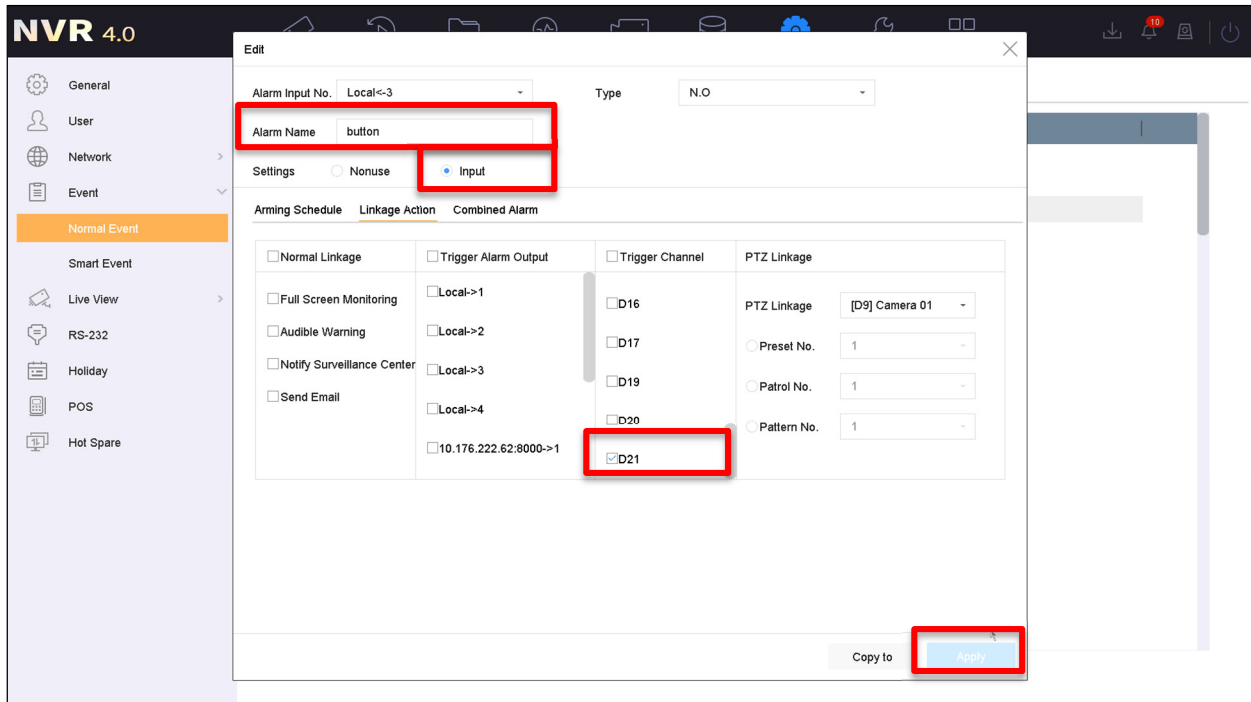


Figure 12, Linkage Action



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**NOTE:** In live view, the recording icon will not appear until the button is pressed.

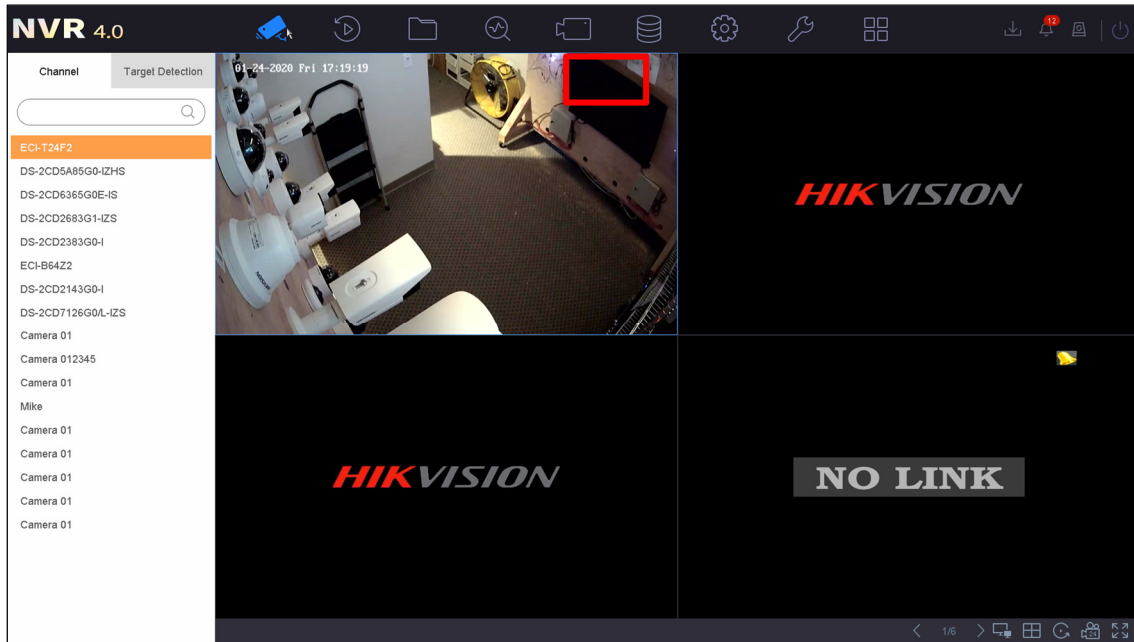


Figure 13, Live View, Button Not Pressed

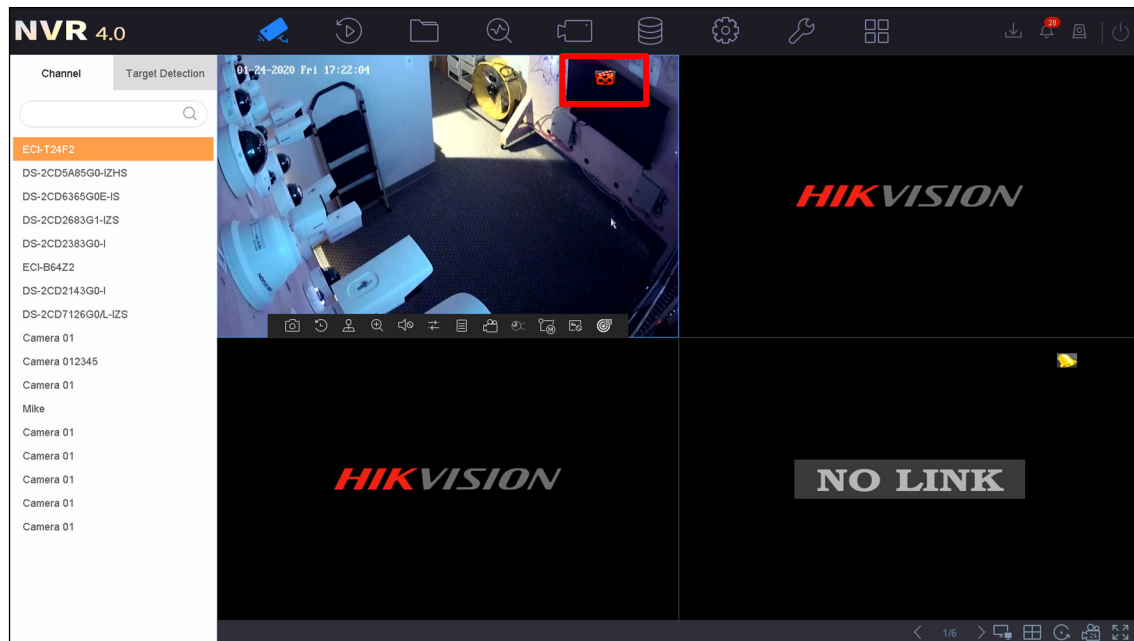


Figure 14, Live View, Button Pressed

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**Verification that Alarm Input Was Triggered**

- The **Events** icon on the top right corner will provide the accurate time the button was pressed.
- Click the **Bell** icon to display the event information.

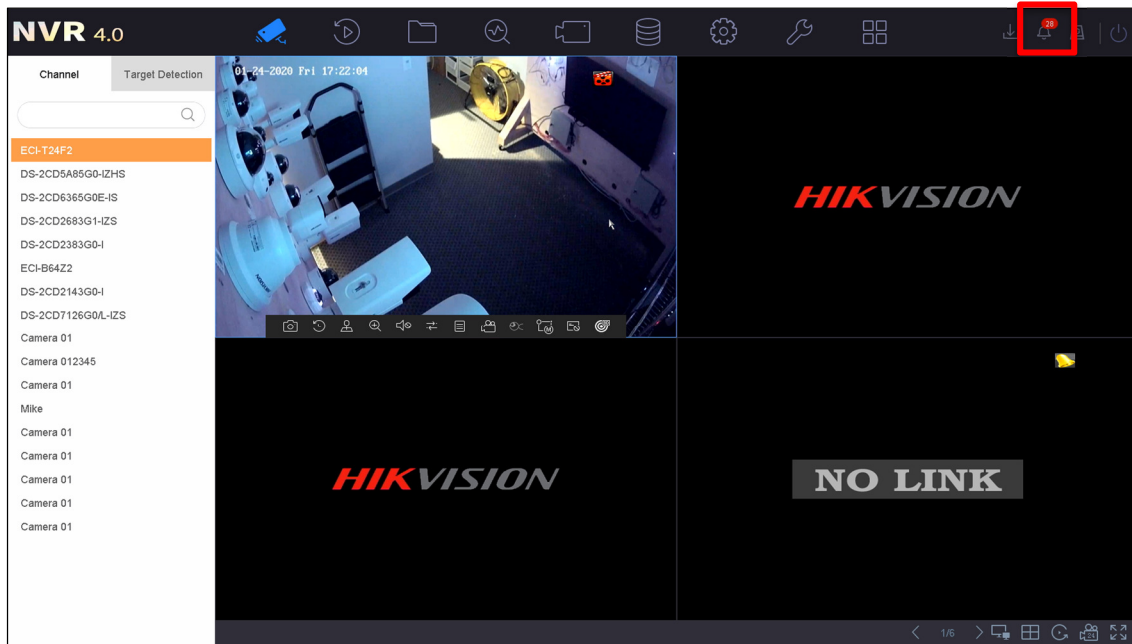


Figure 15, Click Bell Icon To Display Alarm Information

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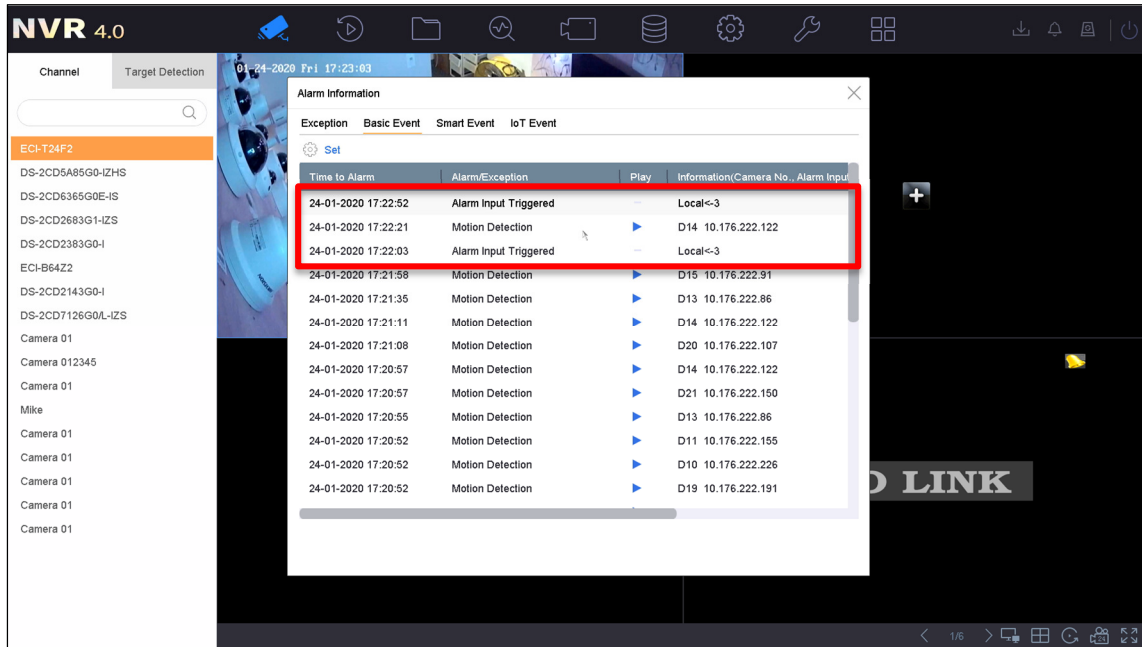


Figure 16, Alarm Log