

Title:	Recording on the Press of a Button	Date:	3/6/20	
Product:	Hikvision NVRs/DVRs		Page:	1 of 11
Action Required:	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** \rightarrow **SCHEDULE** \rightarrow **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



NVR 4.0		P 🛛 🖱
Schedule V	Camera No.	
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	'Note: Operation is invalid when the number of time segments exceeds the limit (8).	
	Apply Copy to	
	Tue 2 Wed 3 Thu 4 Fri 5 Sat 6 Sun 7 'Note: Operation is invalid when the number of time segments exceeds the limit (8).	

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** \rightarrow **EVENT** \rightarrow **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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NVR 4.0			<u>ک</u> ۲			ß			⊥ Ľ	<u>,</u> ©	10
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Hot Spare	Auto Log out	5 Minutes	*	DST Bias		60 Minutes		-			
	Enable Wizard										
	Enable Passwor	rd									
	A	pply									

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 \rightarrow EVENT \rightarrow NORMAL EVENT \rightarrow 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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Image: Constraint of the second se	
General Motion Detection Video Tampering Video Loss Alarm Ingut Alarm Output Exception Losar Alarm Ingut No. Alarm Name Alarm Type Enable Edit Network Local<-1 N.O No Comparison Event Vocal<-2 N.O No Comparison	
User Alarm Input No. Alarm Name Alarm Type Enable Edit Image: Strate Strat	
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Normal Event Local<-4 N.O No C	
Smart Event Local<5 N.O No E	
Live View Local-<6 N.O No C	
Local7 N.O No C	
RS-232 Local-<8	
Holiday Local~3 N.O No G	
Local10 N.O No G	
Local11 N.O No C	
Hot Spare Local12 N.O No C	
Local-<13 N.O No 🕑	
Local<-14 N.O No 🕑	
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Local«16 N.O No 🕑	
SOFT<-1 No C	
SOFT2 No G	
SOFT<-3 No C	

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



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Figure 11, Alarm Settings

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	Live View >	Full Screen Monitoring	Local->1	D16	PTZ Linkage	[D9] Camera 01			
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	POS	Send Email	Local->3	D19	OPatrol No.	1			
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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