

1. Use RS485 to connect alarm box with HCVR. Use the 2-bit DIP switch (0/1) to determine the different alarm box access. Max support 4 alarm box having access to the back-end storage device.
2. The front panel has a power indicator (PWR) which maintains lightening when the device is powered up. The front panel also has a signal communication indicator (ACT) which lights up every 1 second when the communication is established between the alarm box and DVR equipment. Meanwhile, from main menu-setting-system-alarm box, you can check the status of the alarm box. The indicator will turn the color of green when the communication established. See Figure 1.



Alarm Box	Address	Status
1	0	●
2	1	●
3	2	●
4	3	●

Refresh

Figure 1 The status of alarm box

3. The configuration of alarm box. As shown in Figure 2 and the path is:
 setting-event-alarm-alarm box. First, you should enable the function of
 alarm box then configure the device at the top of the page :
 - 1) Choose the number of alarm box that needs to be configured (Numbers
 for 1-4);
 - 2) Modify the alarm name;
 - 3) Select the alarm input channel;
 - 4) Choose the state of the device is normal open (NO) or normal closed (NC).

Alarm Box: 3 Alarm In: 1 ☒ Enable

Alarm Name: Alarm In33 Type: NO

Period: Set Anti-dither: 5 sec.

☐ Alarm Out: Set Latch: 10 sec.

☐ Show Message ☐ Send Email

☒ Record Channel: 1 2 3 4 5 6 7 8

☐ PTZ Activation: Set Delay: 10 sec.

☐ Tour: 1 2 3 4 5 6 7 8

☐ Snapshot: 1 2 3 4 5 6 7 8

☒ Video Matrix ☐ Buzzer ☒ Log

☐ Voice Prompts File Name: None

Default Save Cancel Apply

Figure 2 The configuration of alarm box

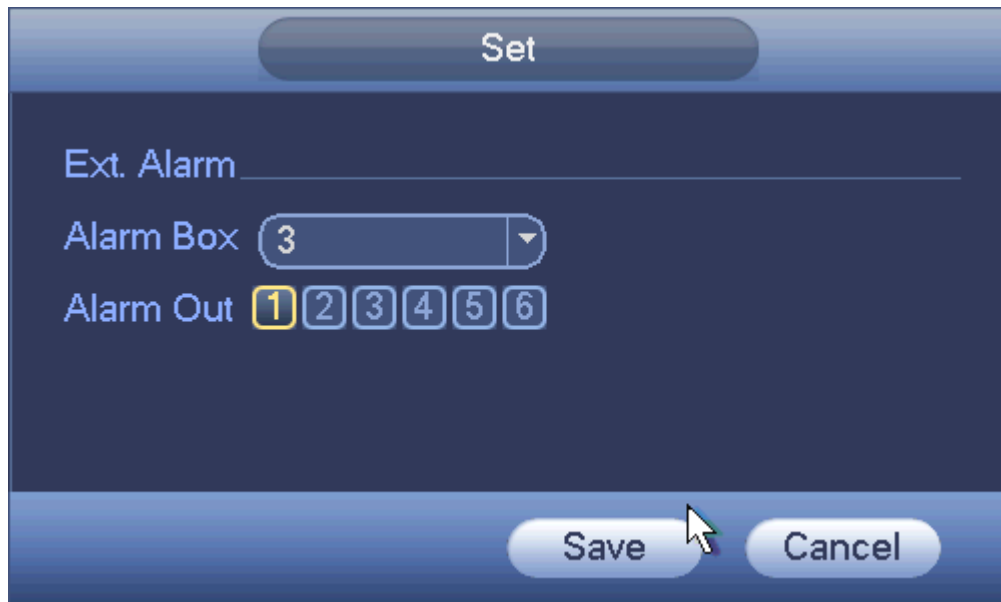
Meanwhile, it can also be configured at the bottom of the page which
 is as follows:

- Period: As shown in Figure 3, here you can set alarm period. System only enables alarm operation in the specified periods. Please attention: only supports 6 periods in one day.

The screenshot shows a 'Set' dialog box for configuring alarm periods. At the top, there is a 'Set' button. Below it, a horizontal timeline from 0 to 24 hours is displayed. The days of the week are listed on the left: All, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. Each day has a corresponding row of 24 checkboxes. A mouse cursor is pointing at the checkbox for Wednesday at the 18-hour mark. To the right of each row is a 'Set' button. At the bottom of the dialog, there are three buttons: 'Default', 'OK', and 'Cancel'.

Figure 3 The period setting of alarm box

- Alarm out: As shown in Figure 4, here the Alarm out channel can be configured correspond to the Alarm in channel above the page.

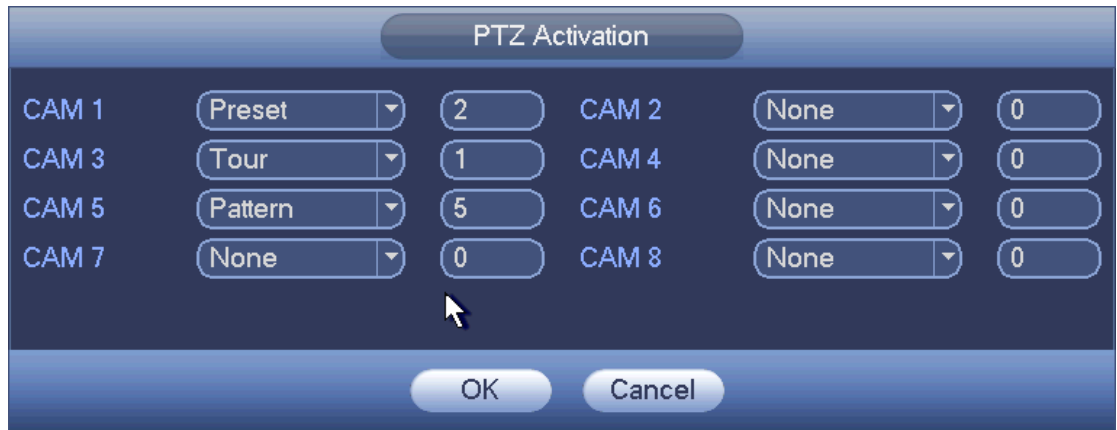


The image shows a software interface window titled "Set". It contains three main configuration fields: "Ext. Alarm" with a text input field, "Alarm Box" with a dropdown menu showing the value "3", and "Alarm Out" with a row of six numbered buttons (1 through 6). Button "1" is highlighted with a yellow border. At the bottom right, there are two buttons: "Save" and "Cancel". A mouse cursor is pointing at the "Save" button.

Figure 4 The configuration of alarm out

- Anti-dither: It is considered that the alarm only occur once during no matter how many times it is triggered.
- Latch: Set the time for alarm output.
- Show Message: Push the message popover in the preview interface when the alarm is triggered.
- Send Email: When the alarm is triggered, the email will be sent to the registered mailbox.
- Record Channel: Set up the channel for recording when the alarm is triggered.
- Delay: Recording time corresponding to the record Channel.
- PTZ Activation: As shown in figure 5, in this page PTZ activations can be configured when the alarm is triggered. You can select no action (None)/transfer to the preset (Preset)/take the action of tour(Tour)/

take the action of pattern (Pattern). At the same time, you can configure the number of activations.



The image shows a 'PTZ Activation' configuration window. It contains two columns of settings for eight cameras (CAM 1 to CAM 8). Each camera has a dropdown menu for the action and a numeric input field for the number of activations. The settings are as follows:

Camera	Action	Activations
CAM 1	Preset	2
CAM 2	None	0
CAM 3	Tour	1
CAM 4	None	0
CAM 5	Pattern	5
CAM 6	None	0
CAM 7	None	0
CAM 8	None	0

At the bottom of the window are 'OK' and 'Cancel' buttons. A mouse cursor is pointing at the '0' in the CAM 7 activations field.

Figure 5 The configuration of linkage PTZ activation

- Tour: Here you can enable tour function when an alarm occurs. It is one-window tour.
- Snapshot: You can enable this function to snapshot image when an alarm occurs.
- Video Matrix: When the alarm is triggered, the monitored video channel will be pushed to the spot screen.
- Buzzer: The buzzer beeps when an alarm occurs.
- Log : The alarm will be written to the log when the alarm is trigger.
- Voice Prompts: There is a sound prompt when the alarm occurs and the sound can be customized.