

## Chapter 7 PTZ Control


### 7.1 PTZ Control Wizard

#### **Before you start**

Please make sure the connected IP camera supports the PTZ function and is properly connected.

#### **Purpose**

Follow the PTZ control wizard to guide you through the basic PTZ operation.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view. The PTZ control wizard pops up as below.

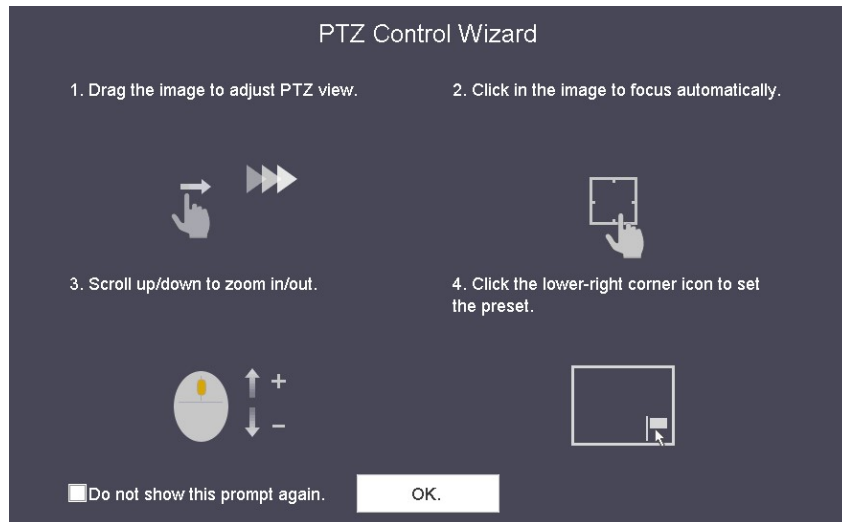


Figure 7-1 PTZ Control Wizard

Step 2 Follow the wizard to adjust the PTZ view, focus, and zoom in/out the camera.


Step 3 (Optional) Check *Do not show this prompt again*.

Step 4 Click **OK** to exit.

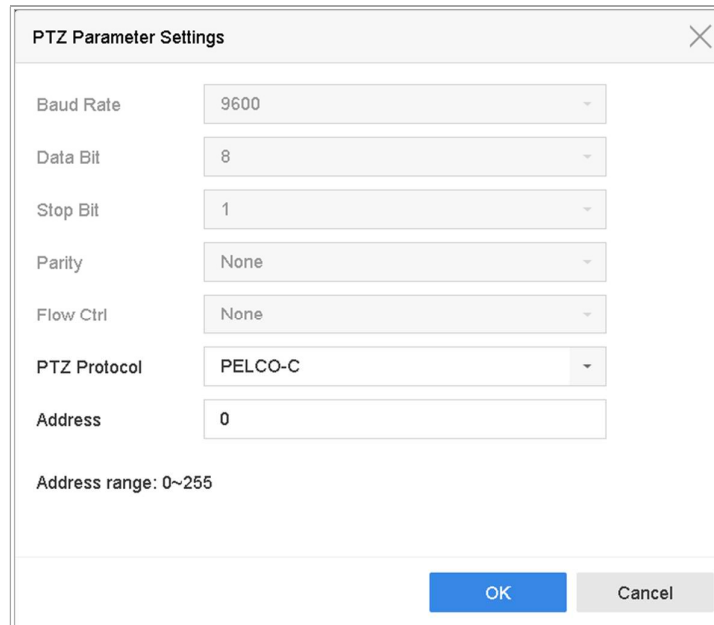
### 7.2 ConfigurePTZ Parameters

#### **Purpose**

Follow the procedure to set the parameters for PTZ. The configuration of the PTZ parameters should be done before you control the PTZ camera.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view. The PTZ control panel displays on the right of the interface.

Step 2 Click **PTZ Parameters Settings** to set the PTZ parameters.



The image shows a 'PTZ Parameter Settings' dialog box with a close button (X) in the top right corner. It contains the following settings:

Baud Rate	9600
Data Bit	8
Stop Bit	1
Parity	None
Flow Ctrl	None
PTZ Protocol	PELCO-C
Address	0

Below the Address field, it says 'Address range: 0~255'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Figure 7-2 PTZ Parameters Settings

Step 3 Edit the parameters of the PTZ camera.



All the parameters should be exactly the same as the PTZ camera parameters.

Step 4 Click **OK** to save the settings.

## 7.3 Set PTZ Presets, Patrols & Patterns


### ***Before you start:***

Please make sure that the presets, patrols and patterns should be supported by PTZ protocols.

### 7.3.1 Set a Preset


#### ***Purpose:***

Follow the steps to set the preset location which you want the PTZ camera to point to when an event takes place.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Use the directional buttons on the PTZ control panel to wheel the camera to the location where you want to set preset, and the zoom and focus operations can be recorded in the preset as well.

Step 3 Click  in the lower right corner of live view to set the preset.

1	▼	Preset 1	Call	Apply	Cancel
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Figure 7-3 Set Preset

Step 4 Select the preset No. (1~255) from the drop-down list.

Step 5 Enter the preset name in the text field.

Step 6 Click **Apply** to save the preset.

Step 7 Repeat steps 2-6 to save more presets.

Step 8 (Optional) Click **Cancel** to cancel the location information of the preset.


Step 9 (Optional) Click  in the lower right corner of live view to view the configured presets.




Figure 7-4 View the Configured Presets

## 7.3.2 Call a Preset

### **Purpose:**

This feature enables the camera to point to a specified position such as a window when an event takes place.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

Step 2 Click  in the lower right corner of live view.

Step 3 Select the preset No. from the drop-down list.

Step 4 Click **Call** to call it.

1	▼	Preset 1	Call	Apply	Cancel
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Figure 7-5 Call Preset (1)

Or click  in the lower right corner of live view, and click the configured preset to call it.




Figure 7-6 Call Preset (2)

### 7.3.3 Set a Patrol

**Purpose:**

Patrols can be set to move the PTZ to different key points and have it stay there for a set duration before moving on to the next key point. The key points are corresponding to the presets.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Patrol** to configure patrol.

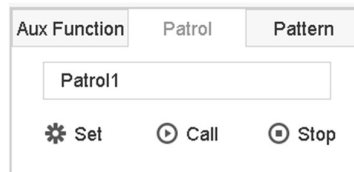


Figure 7-7 Patrol Configuration

Step 3 Select the patrol No. in the text field.

Step 4 Click **Set** to enter the Patrol Settings interface.

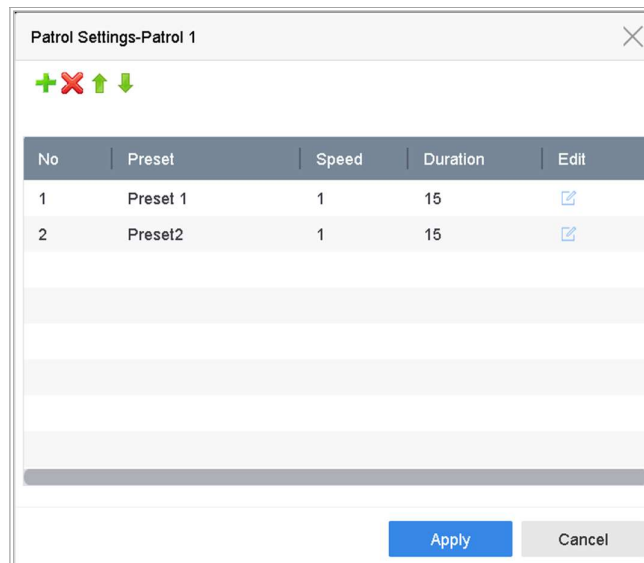



Figure 7-8 Patrol Settings

Step 5 Click  to add key point for the patrol.

KeyPoint	
Preset	Preset 1
Speed	1
Duration	15
<div> <span>Apply</span> <span>Cancel</span> </div>	

Figure 7-9 Key Point Configuration

1) Configure key point parameters.

**Preset:** It determines the order at which the PTZ will follow while cycling through the patrol.

**Speed:** It defines the speed at which the PTZ will move from one key point to the next.


**Duration:** It refers to the time span to stay at the corresponding key point.

2) Click **Apply** to save the key points to the patrol.

Step 6 (Optional) Click  to edit the added key point.

KeyPoint	
Preset	Preset 1
Speed	1
Duration	15
<div> <span>Apply</span> <span>Cancel</span> </div>	

Figure 7-10 Edit Key Point

Step 7 (Optional) Select a key point and click  to delete it.

Step 8 (Optional) Click  or  to adjust the key point order.


Step 9 Click **Apply** to save the settings of the patrol.

Step 10 Repeat steps 3-9 to set more patrols.

### 7.3.4 Call a Patrol

**Purpose:**

Calling a patrol makes the PTZ to move according to the predefined patrol path.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Patrol** on the PTZ control panel.

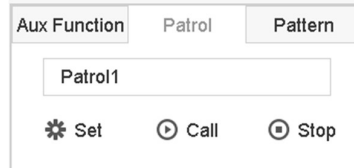


Figure 7-11 Patrol Configuration

Step 3 Select a patrol in the text field.


Step 4 Click **Call** to call it.

Step 5 (Optional) Click **Stop** to stop calling it.

### 7.3.5 Set a Pattern

**Purpose:**

Patterns can be set by recording the movement of the PTZ. You can call the pattern to make the PTZ movement according to the predefined path.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Pattern** to configure pattern.

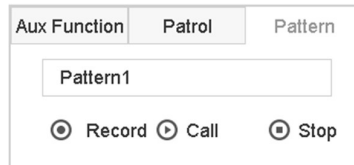


Figure 7-12 Pattern Configuration

Step 3 Select the pattern No. in the text field.

Step 4 Set the pattern.

- 1) Click **Record** to start recording.
- 2) Click corresponding buttons on the control panel to move the PTZ camera.
- 3) Click **Stop** to stop recording.


The movement of the PTZ is recorded as the pattern.

Step 5 Repeat steps 3-4 to set more patterns.

## 7.3.6 Call a Pattern

### **Purpose:**

Follow the procedure to move the PTZ camera according to the predefined patterns.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Pattern** to configure pattern.

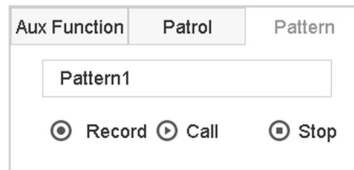


Figure 7-13 Pattern Configuration

Step 3 Select a pattern in the text field.

Step 4 Click **Call** to call it.

Step 5 (Optional) Click **Stop** to stop calling it.

## 7.3.7 Set Linear Scan Limits

### **Before you start:**


Please make sure the connected IP camera supports the PTZ function, and is properly connected.

### **Purpose:**

The linear scan can be enabled to trigger the scan in the horizontal direction in the predefined range.



This function is supported by some certain models.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click the directional buttons to wheel the camera to the location where you want to set the limit, and click **Left Limit** or **Right Limit** to link the location to the corresponding limit.

**NOTE**

The speed dome starts linear scan from the left limit to the right limit, and you must set the left limit on the left side of the right limit, as well the angle from the left limit to the right limit should be no more than 180°.

### 7.3.8 Call Linear Scan

**NOTE**

Before operating this function, make sure the connected camera supports the linear scan and is in IPCAM protocol.

**Purpose:**

Follow the procedure to call the linear scan in the predefined scan range.



Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Linear Scan** to start the linear scan and click it again to stop it.

Step 3 (Optional) Click **Restore** to clear the defined left limit and right limit data.

**NOTE**

Reboot the camera to take the settings into effect.

### 7.3.9 One-touch Park

**NOTE**

Before operating this function, make sure the connected camera supports the linear scan and is in IPCAM protocol.

**Purpose**

For some certain model of the speed dome, it can be configured to start a predefined park action (scan, preset, patrol and etc.) automatically after a period of inactivity (park time).



Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Park (Quick Patrol)**, **Park (Patrol 1)** or **Park (Preset 1)** to activate the park action.

**Park (Quick Patrol):** The dome starts patrol from the predefined preset 1 to preset 32 in order after the park time. The undefined preset will be skipped.

**Park (Patrol 1):** The dome starts moving according to the predefined patrol 1 path after the park time.

**Park (Preset 1):** The dome moves to the predefined preset 1 location after the park time.

#### NOTE

The park time can only be set via the speed dome configuration interface. The value is 5s by default.

Step 3 Click **Stop Park (Quick Patrol)**, **Stop Park (Patrol 1)** or **Stop Park (Preset 1)** to inactivate it.


## 7.4 Auxiliary Functions

### *Before you start*

Please make sure the connected IP camera supports the PTZ function, and is properly connected.

### *Purpose*

You can operate the auxiliary functions including light, wiper, 3D positioning, and center on the PTZ control panel.

Step 1 Click  on the quick settings toolbar of the PTZ camera live view.

The PTZ control panel displays on the right of the interface.

Step 2 Click **Aux Function**.

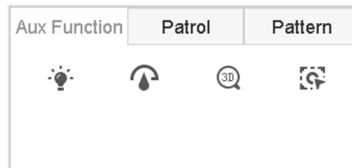






Figure 7-14 Aux Function Configuration

Step 3 Click the icons to operate the aux functions. See the table for the description of the icons.

Table 7-1 Description of Aux Functions Icons

Icon	Description
	Light on/off
	Wiper on/off
	3D positioning
	Center