G7G7_6DPTRZ-V5.9.0_SP Release Note (2024-03-22)

Firmware Basic Information	Firmware Version:	V5.9.0 build240315

Features

V5.9.0_SP

- **Modify Content**

Fixed some known issues

V5.9.0

- **New function**

1. PTRZ

1) The device supports calling the PTR console, where P represents lateral motion, T represents longitudinal motion, and R represents rotation.
2) PTR motion supports only one direction (P, T, or R) at a certain moment;
3) The preview interface only supports selecting one direction (P, T, or R) of a channel for motion at a time, while the PTRZ interface supports selecting one direction of multiple channels for motion together;
4) Support PTRZ speed adjustment; adjust the gear on the control: 1-7 gears, with a minimum speed of 1 gear and a maximum speed of 7 gears, default to 4 gears.
5) Description of the position of PTRZ equipment before and after startup:
   a) Maintain consistency before and after restarting;
   b) Maintain factory position after Restore and Default:
   c) Maintain consistency before and after version upgrade.
6) R-axis rotation supports manual control and one click leveling; After clicking on the one click leveling button, the image can be adjusted to the horizontal position.
7) Angle display: supports displaying the P-direction and T-direction angle values of four channels above the preview window in the PTZ interface;

8) Display of video channel position on P-disk: Supports real-time graphical representation of the position relationship of video channels on the P-disk, with coordinates updated by refreshing the page and keying;

9) P-direction disk blockage detection: Based on four photoelectric detection combinations, collision relationship detection between four lenses is achieved. PS: When there is a collision between lenses, the lens channel does not execute the motor motion command in the collision direction. The lens channel can only move after the motion direction is unobstructed.

2. PTRZ lock and unlock

1) Lock: After locking, PTRZ is in a locked state and cannot be manually adjusted; PS: All channels share a lock button, which means that any channel can operate the lock button and all channels will take effect.

2) Unlock: Click the lock button to unlock and manually adjust the PTRZ. Click the button again to immediately lock.

3) After locking, the device's pan tilt, as well as zoom+-, focus+-, and pan tilt self check, will be locked. When the user adjusts, it will prompt "Pan tilt locked".

4) The pan tilt lock status remains the same before and after restarting. After restoring and defaulting, restore the default values.

3. Pan tilt self check

The purpose is to complete the initialization of the motor, solve the coordinate confusion caused by the motor stepping out, and restore the video channel distribution to the factory default value after self inspection.

Device status after self inspection:

P-direction: Channel 1 is at 0 °, and channel 234 increases by 90 ° in sequence;

T-direction: 45 °.

1) Supports displaying four self checking states: not self checking/self checking failed/self checking in progress/self checking successful

2) The PTRZ interface supports pan tilt self check buttons. Self check does not distinguish channels, and after each self check is completed, it prompts that the self check is complete.

3) The PTZ self check command can be repeatedly issued.

4) After the PTZ self check command is issued, the device will not be interrupted by other PT operations during the execution process.

5) Self check status, restored to the self check state before power failure after each restart.

6) The PTRZ does not self check after power on by default; After simple and complete recovery, the device's first power on state is "not self checking", but the device will immediately self check. After completion, the interface will display "self check failed/self check successful".

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.

For any questions and request for this firmware, please contact our local technical support team.

Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
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Supported models	
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IPC 6 Series	DS-2CD6D54G2-IZHS(2.8-8mm)(O-STD)
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