

Thermal Network PTZ Camera

Version: V5.5.39 build 210702

Release Notes

(2022-5-10)

1. Basic Information

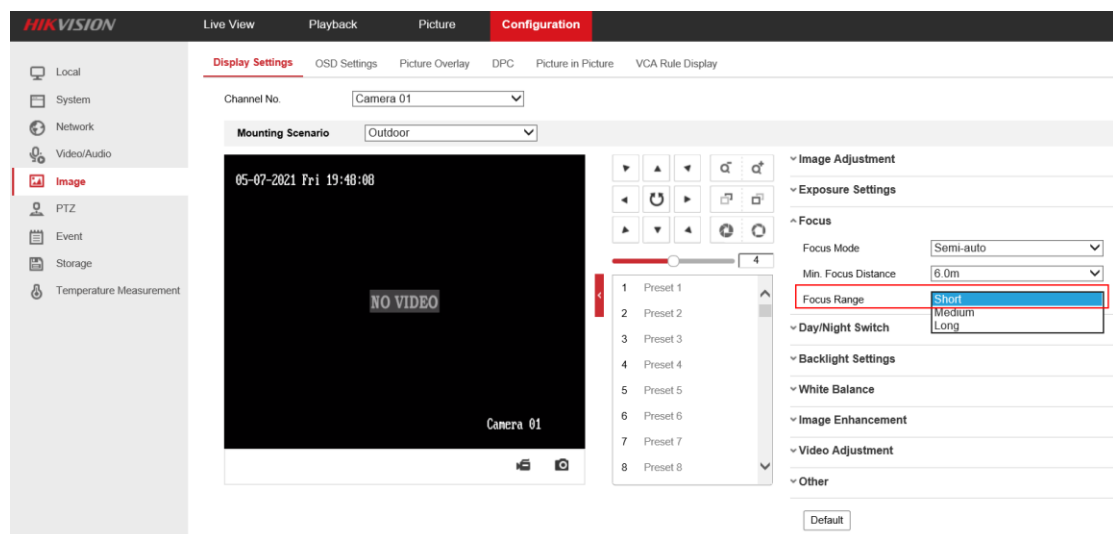
Firmware Version	V5.5.39 build 210702
SDK Version	V6.1.6.40_build20210204
Play Lib	V7.3.9.50
iVMS-4200	V3.4.2.1 build20210203
Web Component/Plugin Version	V4.0.1.0 build 210325/3.0.7.40

2. New Features

2.1 Optical Channel Focus (DS-2TD8166-150ZE2F/V2 & DS-2TD8166-150ZE2F/V2 Only)

- a) Added optical channel Focus Range setting on DS-2TD8166-150ZE2F/V2 & DS-2TD8166-150ZE2F/V2.

After the device has completed the focus calibration at the farthest distance, the device can calculate the theoretically clear minimum focus range based on the calibration result (set the focus range to “short”). This function speeds up the focusing speed and improves the service life of the focusing motor on the basis of ensuring the clear focus of the target.



- b) Added the function of setting the visible light focus value through the target object distance in the high-precision PTZF pan/tilt control interface, which is suitable for capture applications with known target object distances. For example, the radar detects the target, the distance between the target and the object is known, and the pan/tilt is controlled to capture the use scene.
- c) Added the function of setting the control mode of radar linkage PTZ tracking in the high-precision PTZF pan/tilt control interface, which is suitable for applications that frequently update the target position to control the pan/tilt. For example, the radar detects the target and controls the pan-tilt for continuous tracking.

2.2 Temperature measurement

The temperature measurement snapshot supports the DLT/664 format, which is a general infrared data file storage format.

2.3 Support multi-language display

3. Optimized Features

3.1 Fire Detection

Modify the configuration options of Dynamic Fire Source Detection > Application Scene to "Short Distance (≤ 200 m)" and "Long Distance (> 200 m)". Replace the previous "Forest-Fire Prevention", "Straw Burning", "High Building" and "Indoor/Perimeter" options. It is convenient for users to choose.

Latest Firmware:

The screenshot displays the Hikvision web interface for configuring fire detection. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various system settings, with 'Smart Event' highlighted. The main content area is titled 'Dynamic Fire Source Detection' and includes tabs for 'Audio Exception Detection', 'Dynamic Fire Source Detection', and 'Fire Source Region Shield'. The 'Dynamic Fire Source Detection' tab is active, showing a 'Channel No.' dropdown set to 'Camera 02'. Below this, the 'Basic Parameter' tab is selected, and the 'Application Scene' dropdown is highlighted with a red box, showing 'Short Distance (≤ 200 m)' and 'Long Distance (> 200 m)' options. The 'Dynamic Fire Source Detection' section includes several configuration options: 'Enable Dynamic Fire Source Detection' (unchecked), 'Display Fire Source Info on Stream' (checked), 'Detection Mode' (set to 'by Multiple Frame'), 'Cancel Repeated Alarm' (unchecked), 'Sensitivity during Patrol' (slider set to 50), 'Verification Sensitivity' (slider set to 50), 'Hold-and-Alarm Mode' (set to 'Auto'), 'Dwell Time' (slider set to 5 s), 'Fire Source Zoom Ratio' (set to 'Auto'), and 'Version' (V3.2.0build20200417). A red 'Save' button is located at the bottom right.

Previous Firmware:

The screenshot shows the Hikvision Configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various system components, with 'Smart Event' highlighted. Under 'Smart Event', 'Storage' is selected. The main configuration area is titled 'Dynamic Fire Source Detection'. It includes a 'Channel No.' dropdown set to 'Camera 02'. Below this are three tabs: 'Basic Parameter', 'Arming Schedule', and 'Linkage Method'. The 'Basic Parameter' tab is active, showing an 'Application Scene' dropdown with options: 'Forest-Fire Prevention' (highlighted with a red box), 'Straw Burning', 'High-building', and 'Indoor/Perimeter'. Other settings include 'Enable Dynamic Fire Source Detection' (checked), 'Detection Mode' (by Multiple Frame), 'Sensitivity' (slider at 50), 'Hold-and-Alarm Mode' (Auto), 'Dwell Time' (slider at 5s), 'Fire Source Zoom Ratio' (Auto), and 'Cancel Repeated Alarm' (unchecked). The version is 'V2.7.1build20180508'. A red 'Save' button is at the bottom.

3.2 Fixed the issue

Fixed the issue that optical view can't auxiliary focus.

4. Deleted Features

4.1 Waste Gas Monitoring

Deleted waste gas monitoring function.

In Event > Smart Event > Waste Gas Monitoring.

The screenshot shows the Hikvision Configuration interface with 'Waste Gas Monitoring' selected in the top navigation bar. The left sidebar shows 'Smart Event' > 'Storage' > 'Temperature Measurement'. The main configuration area for 'Waste Gas Monitoring' includes 'Channel No.' set to 'Camera 02', 'Basic Parameter' tab active, 'Enable' (checked), 'Display Waste Gas Info. on Stream' (checked), 'Sensitivity' (slider at 50), 'Cancel Repeated Alarm' (checked), and version 'V1.1.0build20200519'. A black box at the bottom displays the timestamp '05-12-2021 Wed 20:13:31'. A red box highlights the 'Waste Gas Monitoring' tab in the top navigation bar.

4.2 Target Marking Color

Deleted Target Marking Color function.

In VCA > Basic Settings > Target Marking Color.

The screenshot shows the Hikvision VCA Basic Settings configuration page. The left sidebar contains a menu with options: Local, System, Network, Video/Audio, Image, PTZ, Event, Storage, and VCA. The 'VCA' option is selected. The main content area is titled 'Basic Settings' and contains several sections: 'Intelligent Analysis' with a checked checkbox, 'Display on Stream' with a checked checkbox for 'Display VCA Info. on Stream' and an unchecked checkbox for 'Target Marking Color' (highlighted with a red box), 'Display on Picture' with checked checkboxes for 'Display Target Info. on Alarm Picture' and 'Display Rule Info. on Alarm Picture', and 'Snapshot Settings' with a checked checkbox for 'Upload JPEG Image to Center' and a 'Picture Quality' dropdown set to 'High'. A red 'Save' button is at the bottom.

5. Supported Product List

a) 42X6 series: 5-inch Speed Dome

DS-2TD4237-10/V2	DS-2TD4237-25/V2
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b) 81X6 series: Stable PTZ

DS-2TD8166-75C2F/V2	DS-2TD8166-100C2F/V2	DS-2TD8166-150ZE2F/V2
DS-2TD8166-150ZH2F/V2	DS-2TD8166-180ZE2F/V2	

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.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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