

How to configure Smart Tracking of DS-2DFxxxxIX

Notes: Tracking Zoom Ratio and Color Consistency were added in V5.5.6 build 180511 firmware version for DS-2DFxxxxIX models.

Steps:

1. Go to Configuration→PTZ→Smart Tracking, control PTZ Camera to the monitoring scenario.
2. Check the Enable Smart Tracking checkbox to enable smart tracking function.

The screenshot displays the Hikvision PTZ configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration' (highlighted in red). Below this, a sub-menu shows 'Basic Settings', 'Limit', 'Initial Position', 'Park Action', 'Privacy Mask', 'Scheduled Tasks', 'Clear Config', and 'Smart Tracking' (highlighted in red). The main content area features a checked checkbox for 'Enable Smart Tracking'. A live video feed shows a reception desk with a person, overlaid with PTZ controls (directional arrows, zoom, pan, tilt, and a list of 8 presets). Below the video feed, the 'Duration' is set to 300 seconds. The 'Tracking Zoom Ratio' is set to 50. The 'Color Consistency' section contains four sliders, each set to 50, for 'When zooming-in target h...', 'When tracking target hum...', 'When zooming-in target v...', and 'When tracking target vehi...'. A red 'Save' button is located at the bottom of the configuration panel.

3. Set **Duration:** the duration ranges from 0 to 300 seconds, The speed

dome stops tracking when the duration time is up.

4. Set zoom ratio for tracking. You can set a fixed zoom ratio. Or you can let the camera calculates the actual zoom ratio automatically **and this operation is recommended.**



1) PTZ Camera Calculates Zoom Ratio Automatically

Adjust the **Tracking Zoom Ratio** to a desired value. Then the camera determines the actual zoom ratio dynamically according to the detected target size and the set value. Larger value means larger zoom ratio.

2) Set a Fixed Zoom Ratio

- Move the Tracking Zoom Ratio cursor to 0.
- Select a target in the live image and adjust the PTZ buttons to see the target at desired size.
- Click Set Zoom Ratio to set the current zoom ratio as the zoom ratio.

Note: As long as you set the Tracking Zoom Ratio value as not 0, the zoom ratio you set manually is invalid.

5. Set Color Consistency:

The camera checks the color of the detected target several times during tracking and compares the color resemblance to determine whether it should continue to track the target or not. If the returned resemblance is lower than the set value, the camera stops tracking. Higher value means higher

resemblance requirement to continue tracking.

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