



**How to Configure Manual Tracking Function on
TandemVu Camera SE4Cxx series**

Title:	How to Configure Manual Tracking Function on TandemVu Camera DS-SE4Cxx series	Version:	V1.0	Date:	07/15/2022
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Introduction

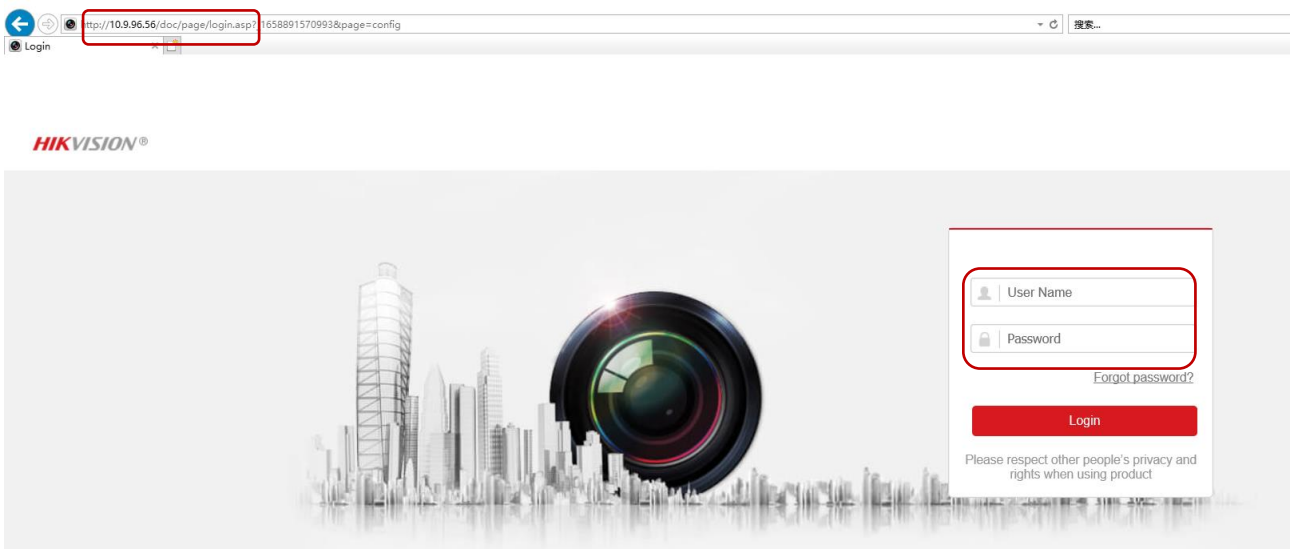
Our DS-2SE4Cxxx series TandemVu PTZ camera integrate a bullet camera and a PTZ camera in one unit, the overall view remains even during the pan, tilt, and zoom maneuvers, so that users will see everything and miss nothing at any given instant, getting unparalleled situational awareness from the moment they set the camera up. It support 3D position and manual tracking functions, before you use these functions, please make the calibration first to make sure the bullet and PTZ camera in the same coordinate system.

How to Configure Manual Tracking Function on TandemVu Camera DS-S E4Cxx series

1. Configuration Step

- 1) login the camera

Login camera web page, input the camera IP address in the web page (like http://192.168.1.100), then enter the user name and password.



Note: please open the web browser as administrator, and install the web component when you first

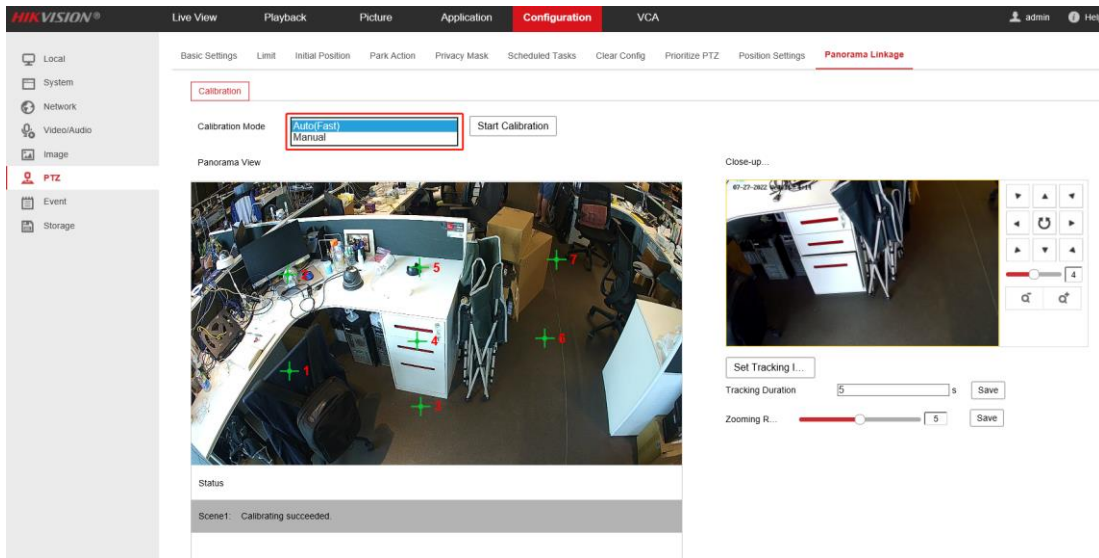
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use the computer.

2) Configure the calibration of camera.

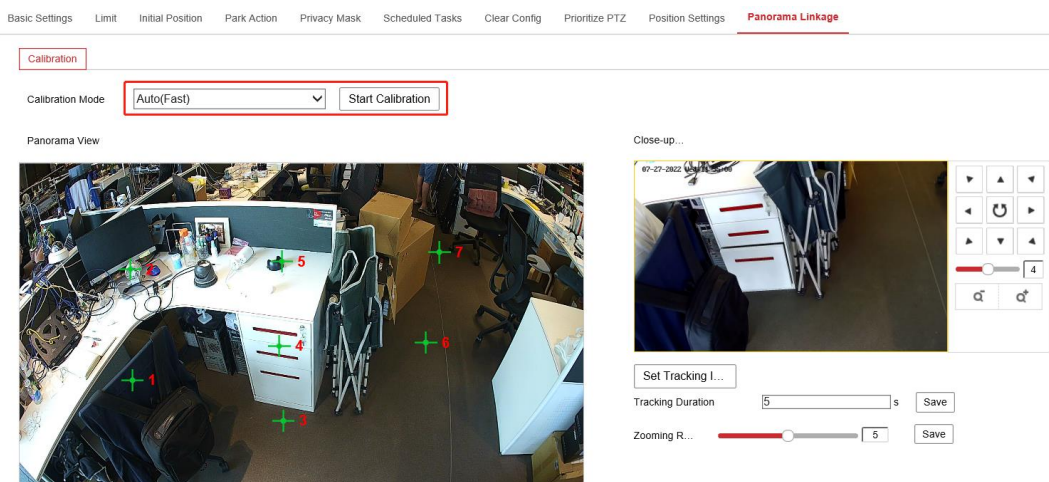
Go to Configuration > PTZ > Panorama Linkage > Calibration.

Select Auto or Manual mode to calibrate the camera as below.



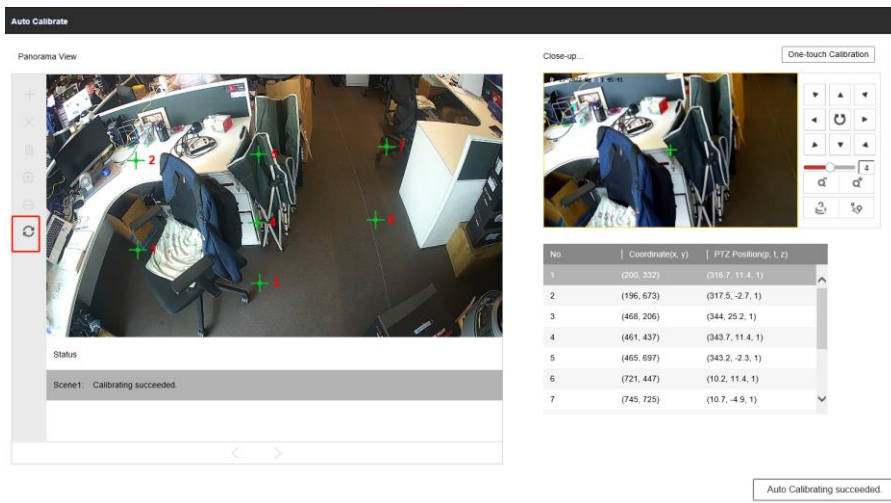
3) Auto Calibration configuration

Select Auto mode and click the **Start Calibration** button to begin.

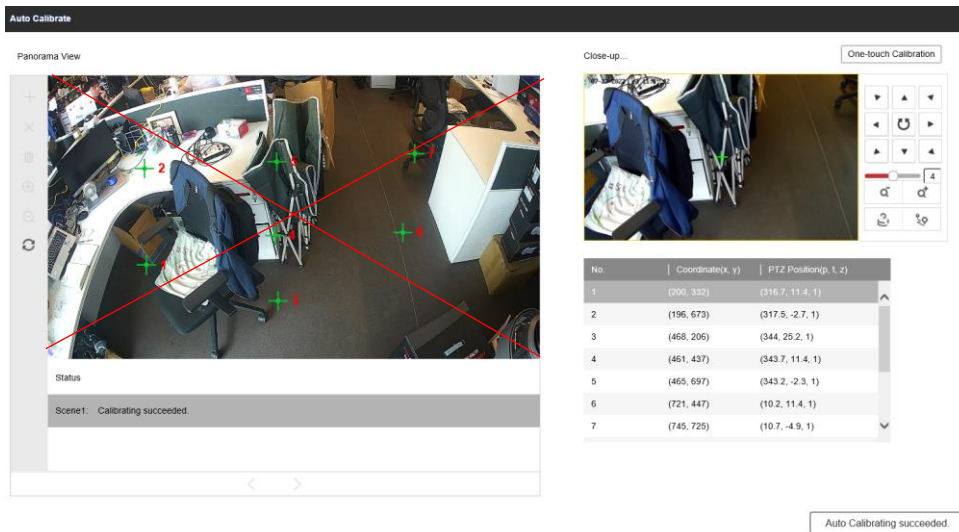


Click the **Regenerate** button on the left to get the latest snap of bullet camera.

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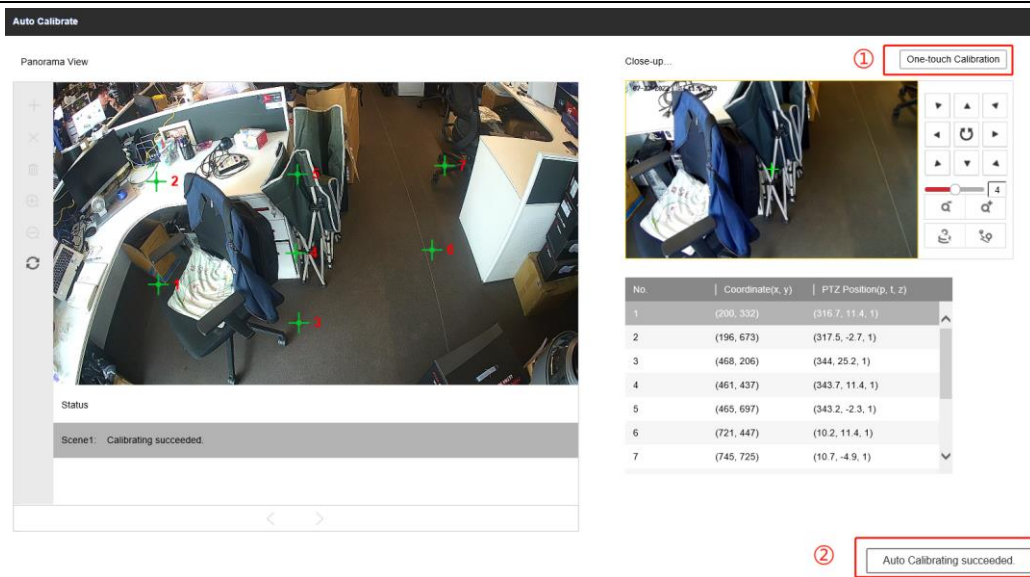
Then adjust the center of the PTZ camera to coincide with the bullet camera center.



Note: In this application, you can adjust the PTZ camera by pan and tilt button, or you also can use 3D zoom function to set the center of PTZ camera.

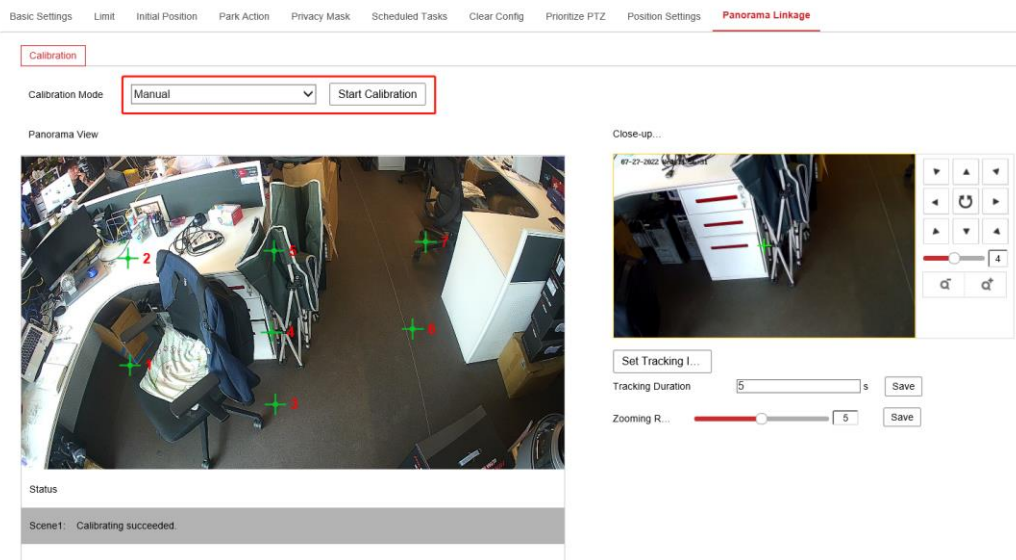
Click the **One-touch Calibration** button to begin the calibration, after the calibration succeeded, please click the **Auto Calibrating Succeeded** button to complete the configuration.

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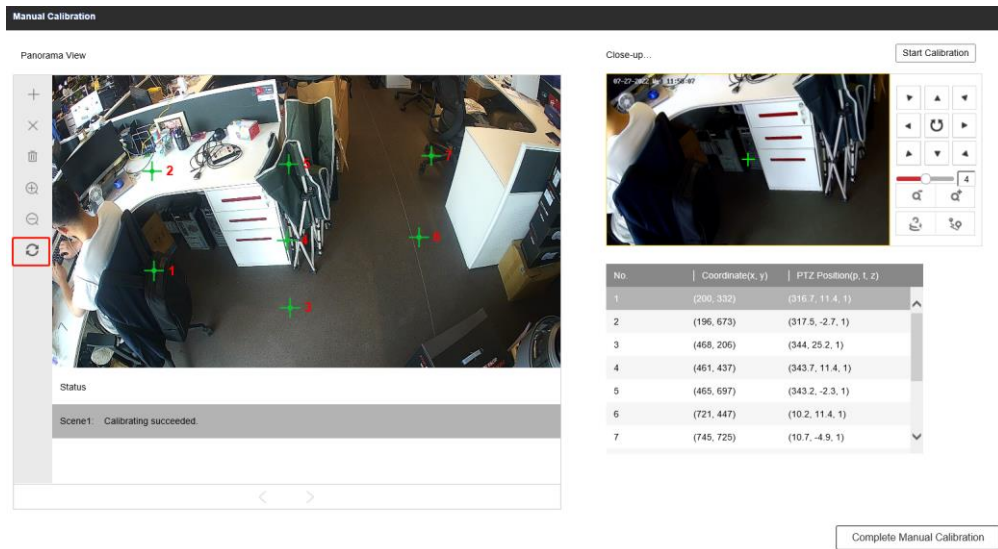
4) Manual Calibration configuration

Select Manual mode and click the **Start Calibration** button to begin.

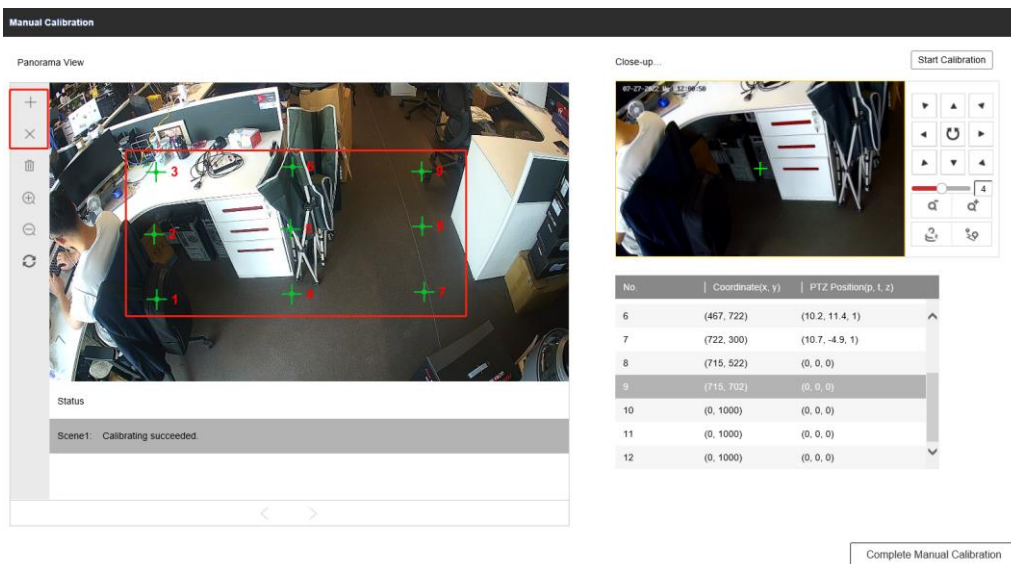


Click the **Regenerate** button on the left to get the latest snap of bullet camera.

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Click **Add** or **Delete** icon to add or delete the calibration point, and adjust the position of point by dragging the green cross.



Click the calibration entry in the lower left, and adjust the center of the PTZ camera to coincide with the bullet camera of each calibrate point.

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Manual Calibration

Panorama View

Close-up...

Start Calibration

No.	Coordinate(x, y)	PTZ Position(p, t, z)
1	(206, 278)	(316.7, 11.4, 1)
2	(201, 492)	(317.5, -2.7, 1)
3	(206, 702)	(344, 25.2, 1)
4	(467, 291)	(343.7, 11.4, 1)
5	(463, 509)	(343.2, -2.3, 1)
6	(467, 722)	(10.2, 11.4, 1)
7	(722, 300)	(10.7, -4.9, 1)

Status

Scene1: Calibrating succeeded.

Complete Manual Calibration

Note: In this application, you can adjust the PTZ camera by pan and tilt button, or you also can use 3D zoom function to set the center of PTZ camera.

Click the **PTZ Position** button to adjust the PTZ position coordinate in the lower left.

Manual Calibration

Panorama View

Close-up...

Start Calibration

No.	Coordinate(x, y)	PTZ Position(p, t, z)
1	(206, 278)	(316.7, 11.4, 1)
2	(201, 492)	(317.5, -2.7, 1)
3	(206, 702)	(344, 25.2, 1)
4	(467, 291)	(343.7, 11.4, 1)
5	(463, 509)	(343.2, -2.3, 1)
6	(467, 722)	(10.2, 11.4, 1)
7	(722, 300)	(10.7, -4.9, 1)

Status

Scene1: Calibrating succeeded.

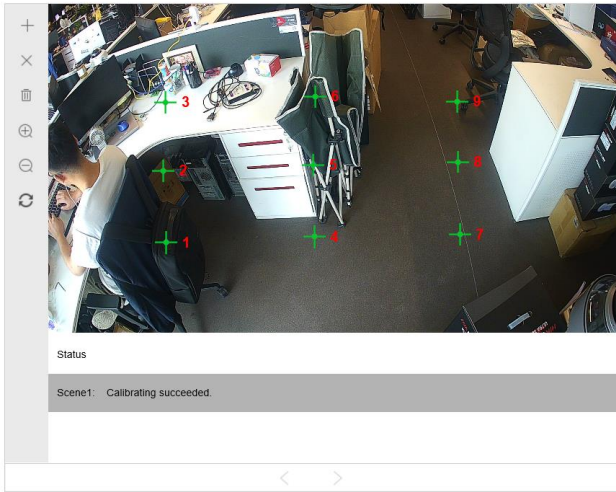
Complete Manual Calibration

After all of the calibration point adjusted, click the **Start Calibration** to calibrating, then click the **Complete Manual Calibration** button to complete the calibration.

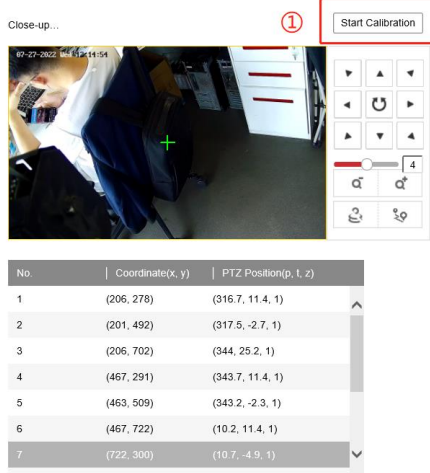
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Manual Calibration

Panorama View



Close-up...

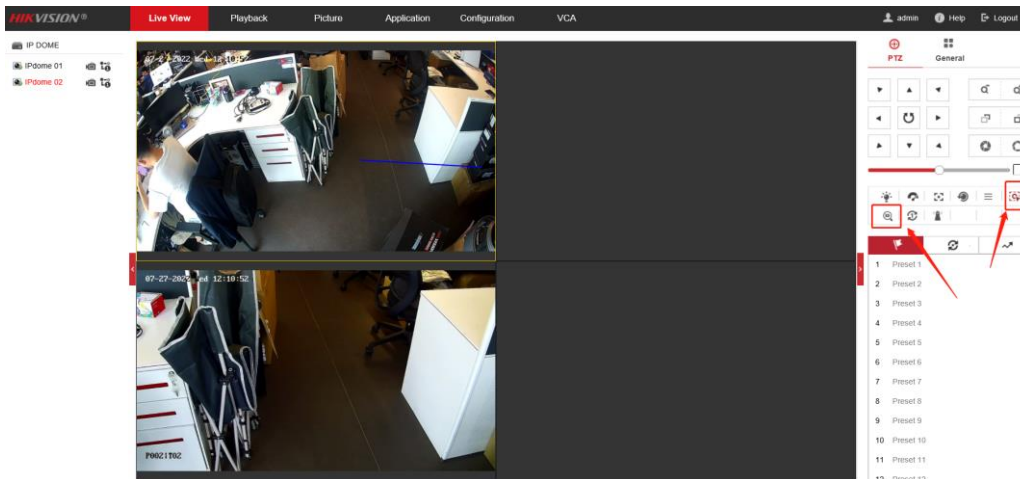


No.	Coordinate(x, y)	PTZ Position(p, l, z)
1	(206, 278)	(316.7, 11.4, 1)
2	(201, 492)	(317.5, -2.7, 1)
3	(206, 702)	(344, 25.2, 1)
4	(467, 291)	(343.7, 11.4, 1)
5	(463, 509)	(343.2, -2.3, 1)
6	(467, 722)	(10.2, 11.4, 1)
7	(722, 300)	(10.7, -4.9, 1)

② Complete Manual Calibration

5) Test the 3D zoom function or Manual tracking function on bullet camera.

Click the **start 3D zoom** button or **start manual tracking** button, then click the any position of bullet camera preview, the PTZ camera will rotate to the center of the click position.



PTZ General

- 1 Preset 1
- 2 Preset 2
- 3 Preset 3
- 4 Preset 4
- 5 Preset 5
- 6 Preset 6
- 7 Preset 7
- 8 Preset 8
- 9 Preset 9
- 10 Preset 10
- 11 Preset 11
- 12 Preset 12