

How to manually calibrate TandemVu

- When Auto Calibration failed, try manual calibration instead.
- The recommended number of calibration points are 6 – 9 points. Please carefully choose the scene with appropriate references, and avoid points of being too crowded or scattered.
- It's recommended to use IE browser and run it as administrator

1. Uncheck “Track” first, to prevent the PTZ from moving around when doing the calibration. Then select “Manual” and Start Calibration

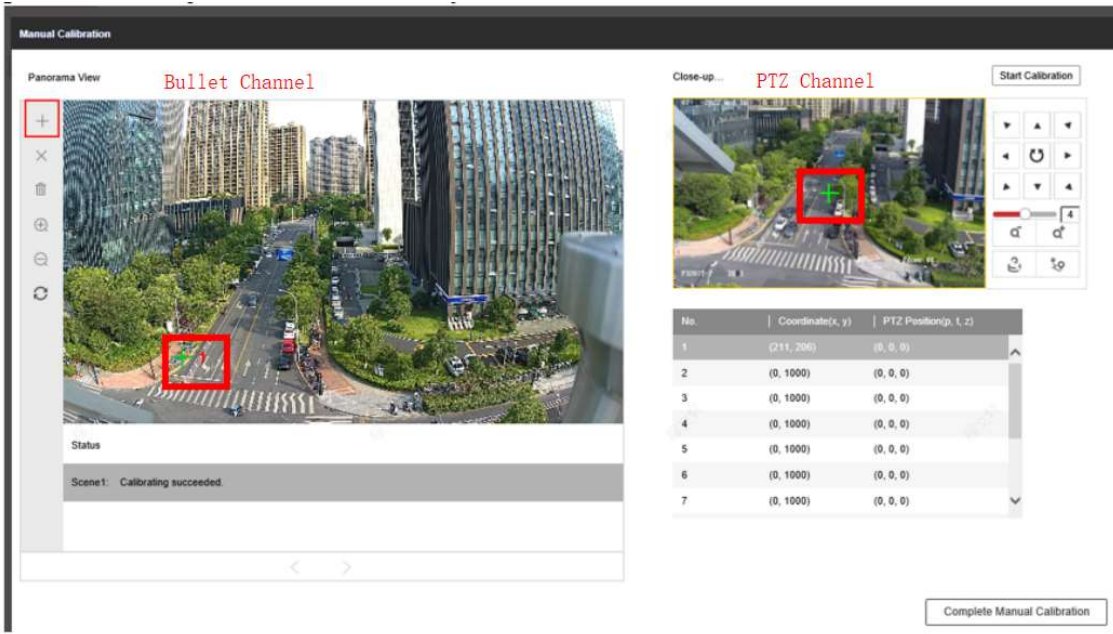
The screenshot displays the configuration interface for TandemVu, specifically the Calibration section. The navigation bar at the top includes: Basic Settings, Limit, Initial Position, Park Action, Privacy Mask, Scheduled Tasks, Clear Config, Prioritize PTZ, Position Settings, **Panorama Tracking**, and Rapid Focus. The main content area has three tabs: 1. Scene Configuration, 2. Calibration (active), and Advanced. In the Calibration section, the Track checkbox is unselected and highlighted with a red box. Below it, the Calibration Mode dropdown menu is set to "Manual" and is also highlighted with a red box. A "Start Calibration" button is visible next to the dropdown. The interface is split into two viewports: "Panorama View" on the left, showing a wide-angle street scene with green and red calibration points overlaid, and "Close-up..." on the right, showing a zoomed-in view of the same scene with a control panel for zooming and a "Set Tracking I..." button. Below the zoomed view, there are sliders for "Tracking Duration" (set to 5s) and "Self-adapti..." (set to 5), each with a "Save" button.

2. Click refresh icon to get the current bullet channel's view



3. The recommended number of calibration points are 6 – 9 points. Please carefully choose the scene with appropriate reference, detailed environment and no obstacles in front of both channels, which can improve the accuracy of calibration.
4. Select a coordinate on the right, click “Add” icon on the left toolbar, a green cross will appear on the bullet channel, move it to an appropriate location on the picture. Then on the PTZ channel, move the PTZ to make sure the green cross on the center of PTZ channel points at the same object/location on the bullet channel.

You can also use 3D Zoom function to make the object on PTZ channel to become the center of the picture: Click 3D Zoom, then move the mouse to PTZ channel and click an object on the picture, that object will automatically become the center of the PTZ channel.



No.	Coordinate(x, y)	PTZ Position(p, t, z)
1	(211, 206)	(0, 0, 0)
2	(0, 1000)	(0, 0, 0)
3	(0, 1000)	(0, 0, 0)
4	(0, 1000)	(0, 0, 0)
5	(0, 1000)	(0, 0, 0)

Click 3D Zoom, then click the object in the picture, the object will automatically become the center.

Close-up...

Start Calibration



5. After aligning the green cross on both bullet and PTZ channel, click PTZ Position icon to apply the coordination info to the points you just set, then the PTZ Position

will be updated.

Close-up... Start Calibration



The screenshot shows a PTZ camera interface. On the left is a live video feed of a street intersection with a green crosshair. On the right is a control panel with a 'Start Calibration' button, directional arrows, a zoom slider set to 4, and a red box around a PTZ icon. Below the interface is a table with columns for 'No.', 'Coordinate(x, y)', and 'PTZ Position(p, t, z)'. The first row is highlighted with a red box around the PTZ position column.

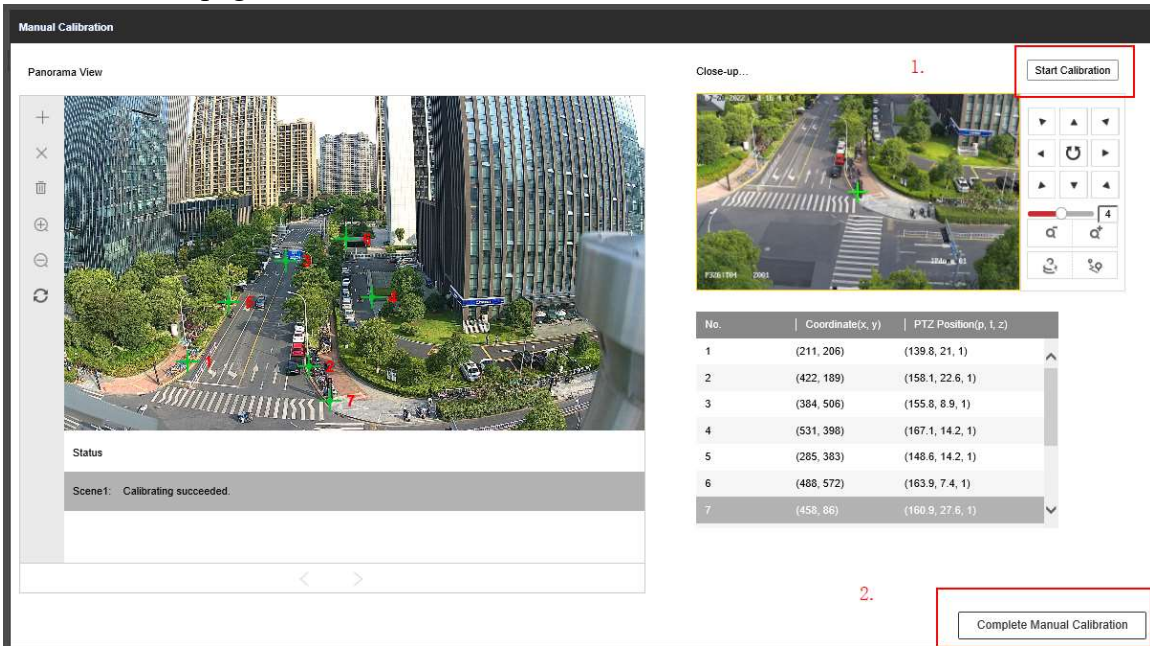
No.	Coordinate(x, y)	PTZ Position(p, t, z)
1	(211, 206)	(139.8, 21, 1)
2	(0, 1000)	(0, 0, 0)
3	(0, 1000)	(0, 0, 0)
4	(0, 1000)	(0, 0, 0)
5	(0, 1000)	(0, 0, 0)
6	(0, 1000)	(0, 0, 0)
7	(0, 1000)	(0, 0, 0)

PTZ
Position

6. That's for one coordinate. Select the second coordinate, add the second point on bullet channel, and repeat the operations above to calibrate each coordinate.



- After all the coordinates have been calibrated, click Start Calibration on the upper right corner, then click Complete Manual Calibration on the lower right corner. Then this calibration page will exit.




- Select "track" to enable track again. Manual Calibration finished.

Track

Calibration Mode Manual Start Calibration

Panorama View



Status

Scene1: Calibrating succeeded.

Close-up...



Set Tracking I...

Tracking Duration 5 s Save

Self-adapti... 5 Save

Note: This document use single bullet channel version as demo, which only has 1 Scene. For multi bullet channel product please calibrate under each Scene.

Panorama View



Status

Scene1: Calibrating succeeded.

The tracking duration and zooming ratio can be set in here:

Close-up...



Set Tracking I...

Tracking Duration s

Self-adapti...