Structure Sensor Calibration

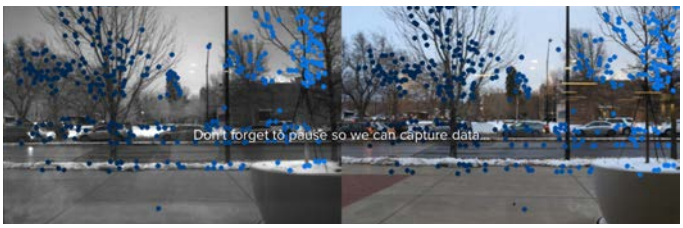
Original & New Model Structure 3D Sensors

Both the original and new model Structure 3D Sensor work together with your iPads built in camera. So, from time-to-time you need to perform calibration to inform the Ortesi App of their place in relation to each other.

1. Open the Calibration App from the bottom dock, or from the screen of your iPad.

2. To begin calibration tap Start Calibration and you will be taken to a screen that says Sunlight Required.

3. At this point you need to fill up the sun meter by pointing the Structure 3D Sensor outside into sunlight. If there is not enough sun light available, after five seconds you have the option to Enable Indoor Mode. Calibration only begins once you have a split screen displayed.



4. Your goal now is to move the iPad very slowly while incrementally stopping momentarily, and then starting to move very slowly again. This stage of calibration is complete when the final stage of calibration is displayed: Refinement.

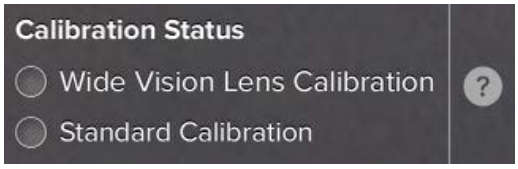
5. For this final part of the calibration process you need to find an object with sharp clearly-defined edges like a table or a desk. The goal is to drag the colour overlay left or right with your finger on the screen until it matches the physical object. Once the two are matching tap Save Calibration.

New Model Structure 3D Sensors only

The newest model Structure 3D Sensor requires a second type of calibration called Stereo Image Refinement. The option to perform Stereo Image Refinement will only be displayed if you have one of the new model Structure 3D Sensors connected to your iPad.

1. Move to a room away from sunlight with a flat, matte, non-black wall.

2. From the home screen of the Calibration App in the upper left corner tap the “?” icon to display the Calibration Status pane.



3. Now, clean the Structure 3D Sensor’s glass plate and from the within the Calibration Status pane tap Perform Refinement.

4. You will be guided through a small explanation of Stereo Image Refinement. Swipe through the tutorial and stand about one metre away from the wall and point the Structure 3D Sensor towards the wall and tap Start Refinement.

5. Once the depth coverage is shown with a solid colour across most of the screen, tap Save Refinement to complete the calibration process.