## Testcase Install and connect Intel Realsense Camera

**Prerequisites**

* Install ROS noetic
* [optional] Install RVIZ
* USB port
* Intel Realsense Camera[tested with L515 and D415]

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| Go to the installation guide for the ROS intel realsense installation | https://github.com/IntelRealSense/realsense-ros#installation-instructions |
| Use method 1: The ROS distribution | sudo apt-get install ros-noetic-realsense2-camera |
| Connect the camera to the computer over USB | Test if the camera is visible with the “lsusb” terminal command |
| Run the camera rosnode | roslaunch realsense2\_camera rs\_camera.launch |
| Show the running ros topics | rostopic list |
| The topics should include the following | /camera/depth/camera\_info  /camera/color/camera\_info |
| [optional] test using RVIZ by launching RVIZ | roslaunch rviz rviz |
| Create a new visual by clicking on add in RVIZ  Check for the right pointcloud2 topic and load it  If it gives an error make certain it has the right frame map | Check if you can see the camera feed in RVIZ |

\*if the topic is loaded the camera is installed correctly

\*the camera terminal might give an error of not receiving data. This can be a temporary warning, you can still test if the camera feed is working.