

Prosilica Gige camera Stereo Vision (setup tutorial)

Guangshen Ma (guangshen.ma@duke.edu)

Update on 07/13/2023.

Setting up the GC-1020C camera (allied vision):

1. Please follow the official tutorial online (hardware, software SDK). Most the answers can be referred for the official tutorial.
2. **Important note:** For setting up the camera for the first time, please first download the correct firmware through the official website.
 - a. Case-1: The IP can be automatically detected. This indicates the camera can be connected to the PC and the software SDK can be used for the future applications.
 - b. Case-2: The IP cannot be automatically detected. Different reasons can cause this problem. The first can be the connection setting (e.g. USB port, ethernet port and etc). The online tutorial provides the solution. Another solution is to download the firmware software, and start the camera “recovery mode”. This requires the user to follow the tutorial of “**GigE VISION CAMERAS Prosilica GC User Guide**”, and search the keyword of “recovery mode”, and follow the guidance.
3. Software and SDK: If the camera IP can be detected by the PC, the software SDK installation can be efficient. Please follow the official tutorial online.
4. Python application. There is also supported tutorial and official software.