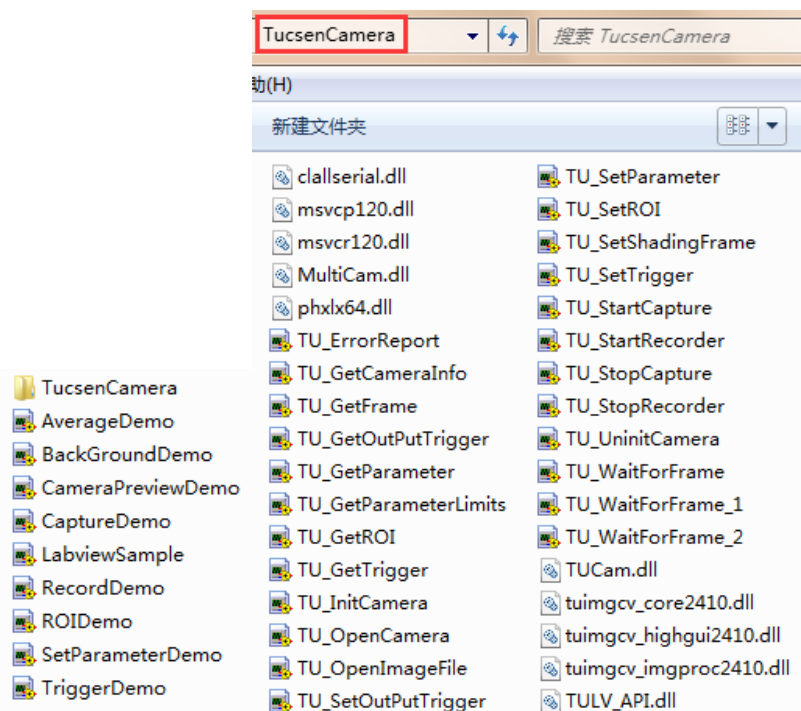


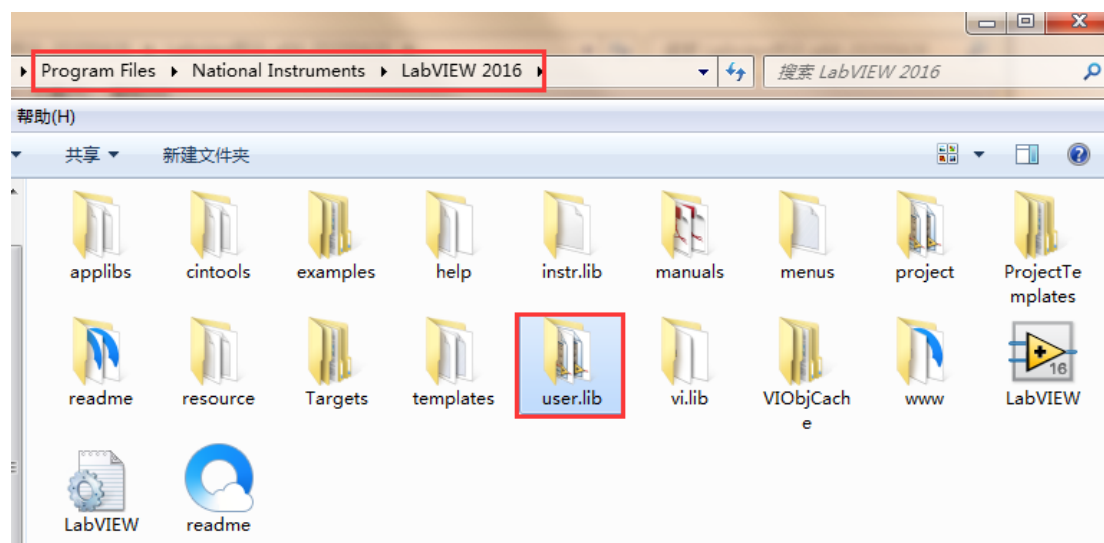
Instructions for using the Tucsen camera in LabVIEW

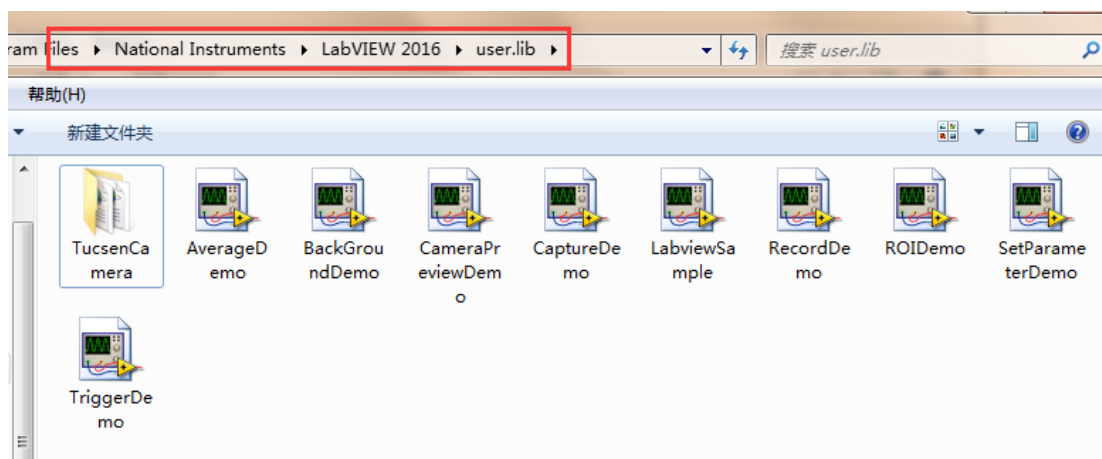
1、Installation

- (1) LabVIEW 2012 or above version is installed on the computer.
- (2) The plug-in provides x86 and x64 versions, which are compiled based on LabVIEW 2012 version and contain the following files.



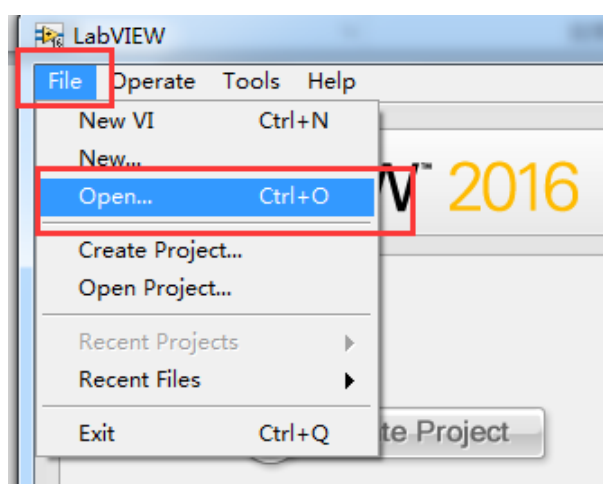
- (3) When installing, users only need to copy all the files of x86 or x64 versions to the "**user.lib**" folder in the LabVIEW installation directory



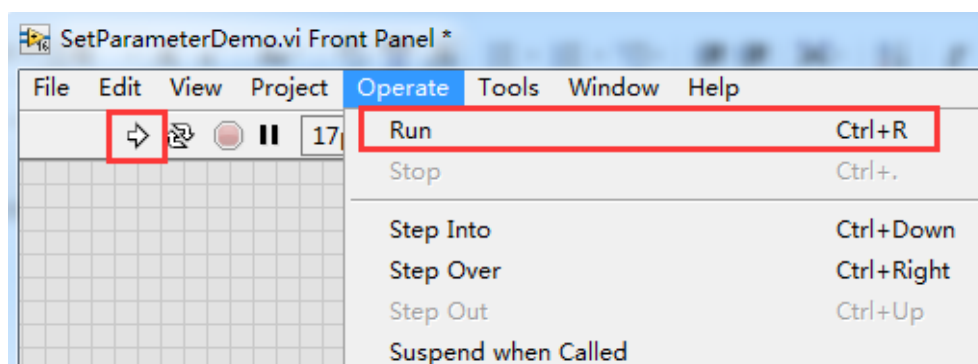


(4) Connect the camera to the power cord and data cable. The sub VI file can be opened directly.

Or open the LabVIEW firstly and select “File” > “Open”, select the sub VI file in “user.lib” to open it.

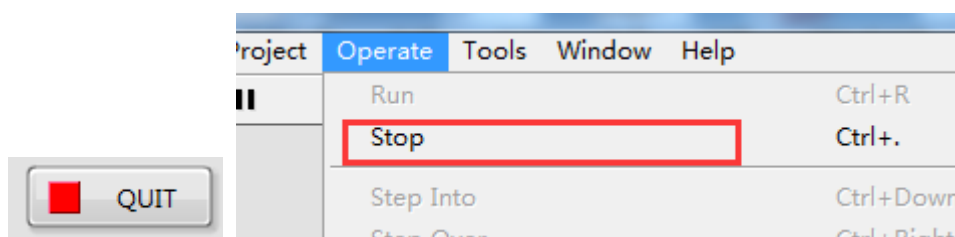


(5) Select “Operation” > “Run” from the menu bar or click the “Run” shortcut key in the shortcut bar to run the camera.

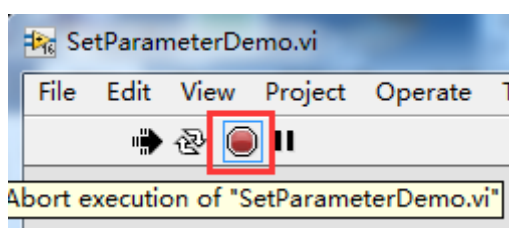


(6) If you want to open another sub VI, you must stop the current VI. Only one VI file can be run at a time. You can directly click the "QUIT" button on the VI interface or

select the “Operation” > “Stop” in the menu bar to stop camera.

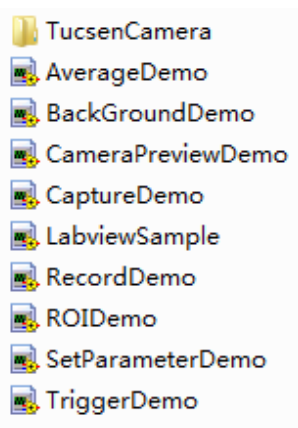


Note: The "Abort" shortcut key in the shortcut bar is not to stop the camera, but to stop the software. If you click the button, it is necessary to close the software window and open it again.



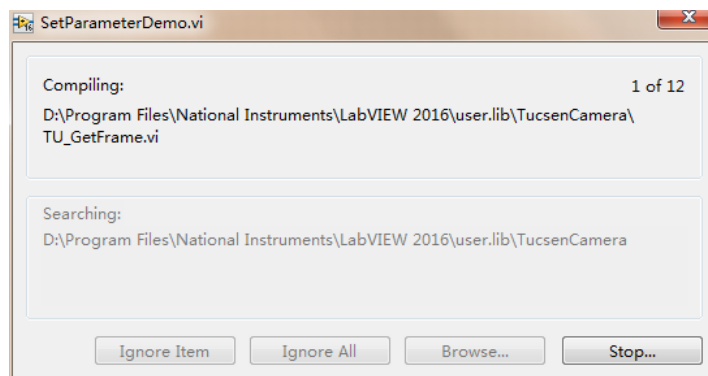
2、LabVIEW high version instructions

The eight sub VI files provided are all saved in LabVIEW 2012 format by default.

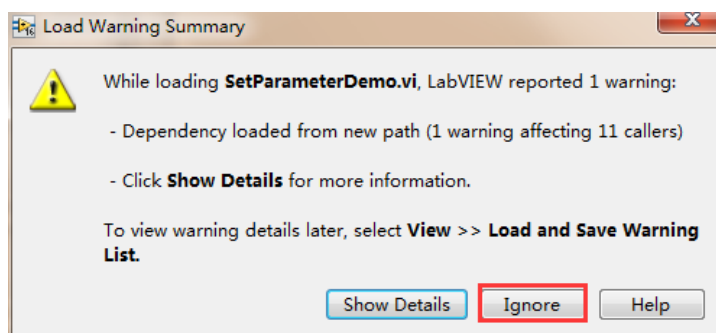


If you want to run on the high LabVIEW version, you need to close the interface after running any VI and save all eight into the high LabVIEW version format. Otherwise, a warning box will pop up every time you open and close it. This warning box will not affect the operation of the camera and there will be no problem if you do not save it.

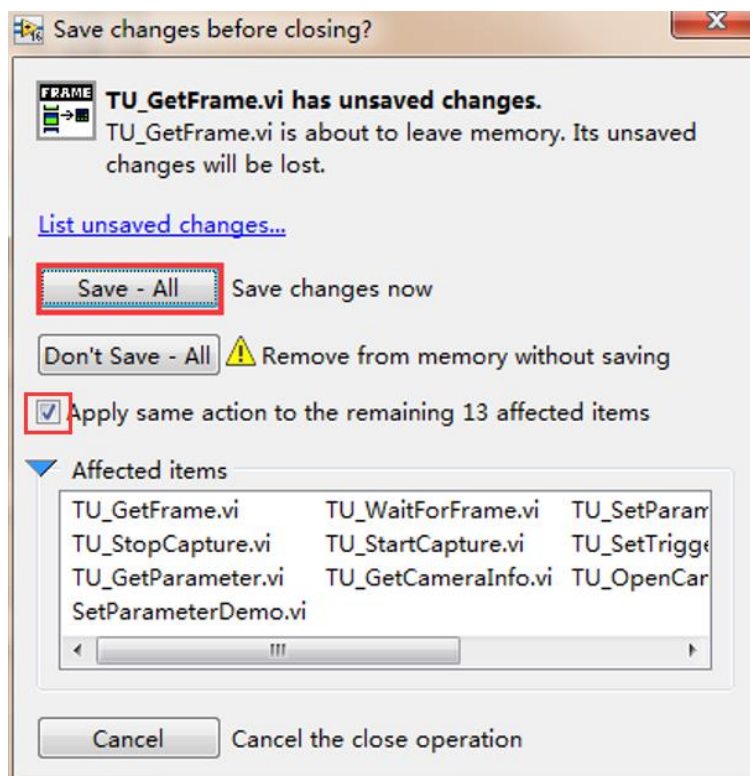
Take LabVIEW 2016 as an example. When you open a VI file, you will get the following two pop boxes. Load all the sub VI files firstly.



Just click “Ignore” button and the file will run normally.



Close the sub VI and the software will pop up “Save changes before closing?” every time. Select all and click “Save-All” button. Next time open and close will not pop up prompt and warning box.



Notes:

1. When using the latest LabVIEW plug-in, please update the “TUCam.dll” file in the directory “C:\Windows\System32” to the latest version.
2. The automatic level mechanism, frame rate mechanism and over-exposure screen full black mechanism built in LabVIEW 2012, and also exist in Labview 2016.
3. The generated SDK configuration files, captured images and videos are saved in the “user-lib\TucsenCamera” path by default.
4. The plugin adds temperature read control function, and you can see the print temperature in the software debugview.