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**Instruction**

*Micro-Manager* is software for control of microscopes. It works with almost all microscopes, cameras and peripherals on the market, and provides an easy to use interface that lets you run your microscopy-based experiments. It is Open Source, and is free, cross-platform code-base (Windows, Mac and Linux).
1. Driver install

Download plug-in installer of corresponding version’s Micro-Manager from ZWO official website.
Windows: ASI_Micromanager_setup.exe,
MacOSX: uManager_1_4_23_ASICamera_Mac.dmg or uManager_1_4_22_ASIcamera_Mac.dmg,
Currently the latest version we support is MicroManager1.4.23, it supports ASI camera and EFW filter wheel of our company.

Take the installer for Windows as an example, run the setup program

2. Camera control

2.1 Hardware configure
When launch first time, choose none.

Configure ASI camera
Choose camera model

Finally save configuration

2.2 Frame capture
Drag a area as RIO

New region
This camera supports bin1/2/3/4, below picture is bin4
2.3 Device property

Open property panel
3. Filter wheel control

3.1 Hardware configure
Open menu->Tools->hardware configuration wizard, view as list by vendor mode, double click EFW under ASICamera.

Edit filter name

Finally save configuration

3.2 Switch filter

Open menu->Tools->Device Property Browser
Switch filter by adjusting Label or State, the UI is frozen during wheel is rotating, it’ll refresh when switch is completed.