ASCOM Driver Installation for Andor Cameras Using Maxim DL Software

Applicable to Andor iXon Ultra / iKon-L / iKon-M

ASCOM is a plug and play control interface for astronomy software and hardware. Here we discuss the setup for ASCOM control of Andor CCD cameras from Andor Technology on Maxim DL software.

Initial considerations

There are assumptions that the following has already been successfully installed:

- Maxim DL software
- ASCOM platform [1]
- The current version of Andor SDK2 for ASCOM [2]

The Andor camera drivers for ASCOM will also need to be downloaded from the link: Andor Drivers for ASCOM. Extract the following *.dll files and copy to the ASCOM Common Files folder (default location: C:\Program Files (x86)\Common Files\ASCOM\Camera folder). Overwrite the 3 existing *.dll files located in this folder.

Setup

1. Start Maxim DL.
2. Open the Camera Control dialogue and select Setup Camera from the Setup tab.
3. Select ASCOM from the Camera Model list and the Advanced… to setup ASCOM.

4. Set the camera type to Andor CCD/EMCCD (SDK2) from the dropdown menu.

5. The Properties menu will display the SDK2 Setup window to configure the camera acquisition settings prior to connecting to the camera.

6. Press OK in the SDK2 Setup, the ASCOM Camera Chooser and the Setup ASCOM windows to finalise the setup.
7. Press the "Connect" button in the Setup tab of the Camera Control menu to connect to the camera. If the connection is successful the camera information text should change from "No Camera" to "Camera Idle".

![Camera Control window](image)

When the camera is connected, the SDK2 Setup window can also be accessed from the Options menu on the Camera control window and selecting Camera Settings… from the drop down menu.

![Camera Settings menu](image)

If you need further assistance, please contact your local Andor Support representatives [3].
Useful links