Unpacking the Boxes

Kymera 328i

- Your Kymera 328i may be supplied with a range of different accessories.
- Check the supplied items against the packing list to ensure all items are present.

Accessories

- Additional Grating Turrets (s)
- Accessory Slits/Coupling Interfaces
- Output Port Adaptor(s)
- Camera (s) (prefitted as standard)
- Hex Key Set
- Power Supply (with Country Specific Power Cord)
- PC Cable
- USB 2.0 Cable
- Software or Driver CD and User Manual on CD
- Filter Insertion/ removal tool

Preparing Your Facility

- Handle the spectrograph and accessories with care.
- Observe anti-static precautions when installing the spectrograph, camera and accessories.
- Ensure sufficient clearance around cameras and power supply vents (Do not block vents when operating on benchtop).
- Operation of the spectrograph and camera close to intense pulsed sources (e.g. plasma and X-ray sources) may compromise performance.
- Keep dry, <70% humidity non-condensing.

Installing Software (Solis or SDK)

You must have administrator access on your PC to perform this installation.

The same instructions cover the installation procedure for Andor’s Solis or SDK software, which is used in conjunction with third party software. If you are planning to run your camera through a third party interface you will require the Andor Drivers, called SDK.

Switch on the PC, insert CD and run the Solis (or SDK) setup.exe file on the CD or download location.

- Confirm the version of software (and 32 or 64-bit as required).
- Follow the on screen prompts.
- Select the installation directory when prompted.
- If prompted for camera type select the required camera from the options.
- On the final window click on “Install”. During the installation a number of other windows will appear as various drivers are installed.
- To complete the installation:
  - USB cameras, click the Finish button
  - For non-USB cameras, when prompted select “Yes, restart the computer now” and then click on the Finish button.

For more information visit: http://www.andor.com/scientific-software
Connecting your Camera and Accessories

1. The 328i should be either connected to the camera by one of the following options:
   - Option 1: I²C cable (supplied, if applicable), or
   - Option 2: USB cable (provided).
2. If your spectrograph has a shutter, then this is controlled through the I²C cable (if used for the connection), or through the BNC connection via a cable from the camera (supplied), or for simple open/close operation no connection is required.
3. The accessories - motorised slits, filter wheel, shutter - are all ‘plug and play’ and do not require any setup.
4. Proceed to Section 5.

Setting up Solis for the Kymera 328i Spectrograph

1. Power on the spectrograph.
2. Power up the PC.
3. Wait until the short start-up tone signals the spectrograph system checks are complete.
4. Please refer to your camera and Kymera 328i user manuals for any further setup or calibration steps required before using your system.

Troubleshooting

Camera is not recognised by PC
- Check that the camera power and USB cable are connected securely and the mains power cable is inserted.
- Check that the drivers have been installed properly.
  (Control Panel /System/Hardware /Device Manager /Imaging Devices).

Spectrograph is not recognised by Solis
- Ensure that the spectrograph has finished its system checks before attempting to connect with it.
- Check the connections between the camera, PC and spectrograph.

Shutter is not opening
- The shutter should always be controllable open/closed in the Solis GUI (when shutter is present). When the I²C cable or the BNC input is used, the ‘BNC’ option should be selected in the software to enable operation of all shutter modes.

Turret lid difficult to open
- Rotate the lid lock from the locked to the unlocked position.
- The turret lid can then be lifted up using the handle of the turret lid.

Communication error when selecting side port
- When shipping, a locking screw is used to secure the flipper mirror in dual exit systems. This needs to be loosened fully/removed before use.

For additional troubleshooting information please refer to the user manual
For further technical information about the Kymera 328i go to andor.com/kymera
You can find the latest user manuals on MyAndor (http://my.andor.com/login.aspx)