

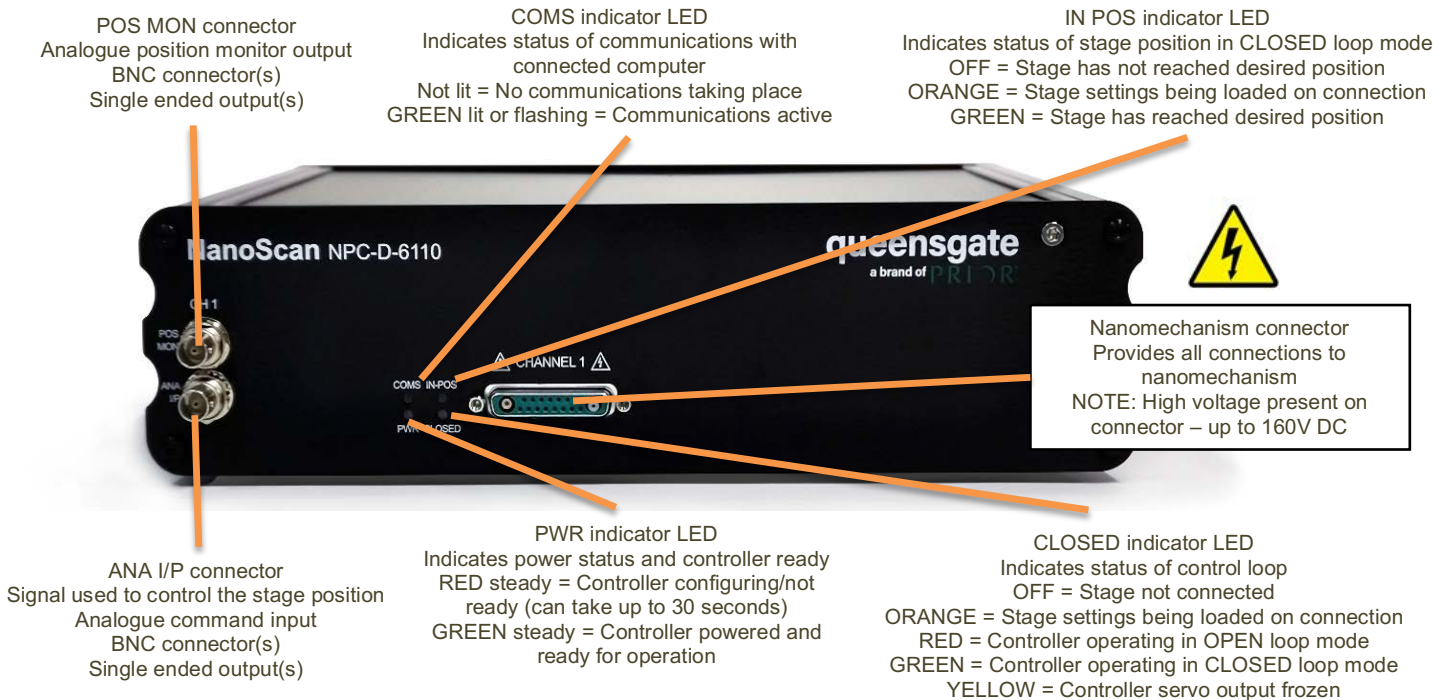
# QUICK START GUIDE

## USE OF NIS-ELEMENTS WITH THE NANOSCAN SP RANGE OF SAMPLE SCANNERS AND THE NANOSCAN OP OBJECTIVE POSITIONER.

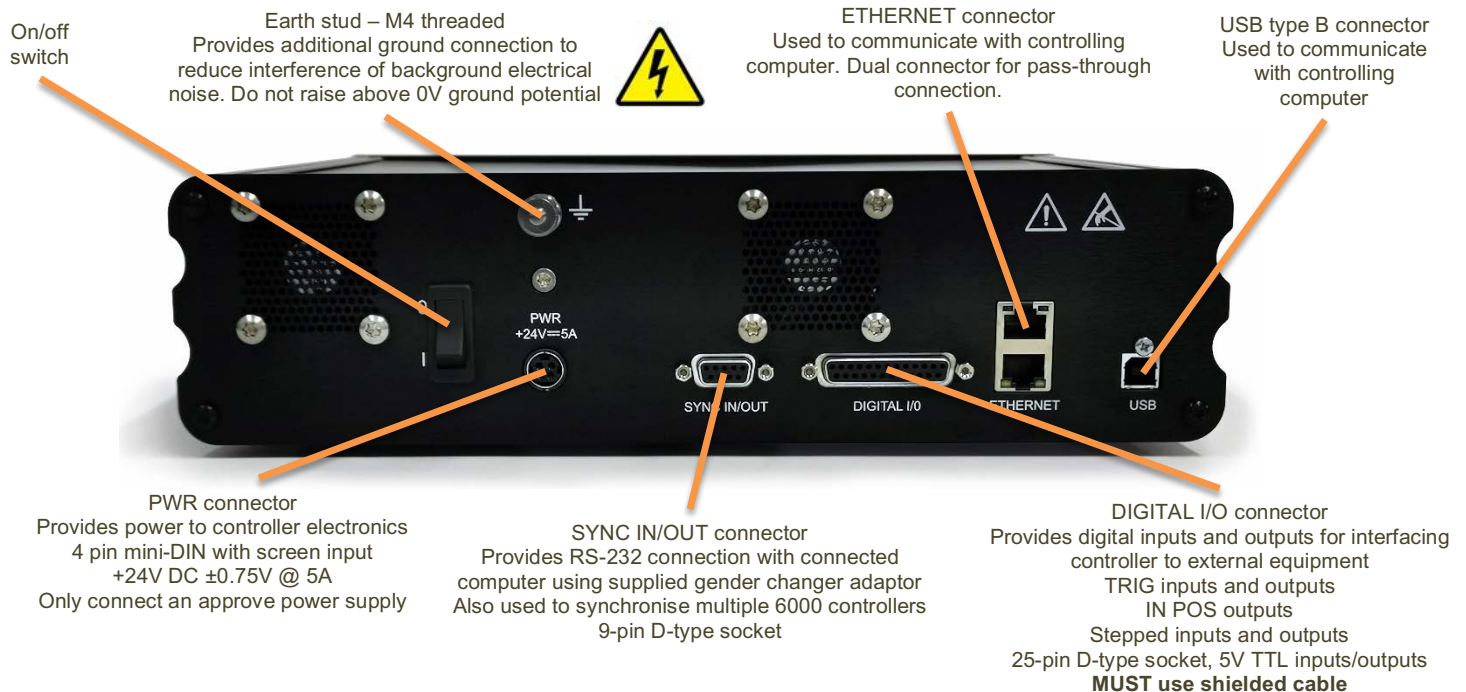
**NIS-Elements**  
Imaging Software

The NanoScan SP series sample scanners and the NanoScan OP400 objective positioner have basic control within NIS-Elements using the NanoScan Z functionality.

### CONNECTING YOUR SYSTEM - FRONT OF UNIT



### CONNECTING YOUR SYSTEM – REAR OF UNIT



# CONNECTING THE CONTROLLER TO THE COMPUTER

Connect the NPC-D-6110 controller to the computer using an RS232C cable from the serial port on the computer to the SYNC IN/OUT port on the NPC-D-6110. A gender changer adaptor is required to connect the RS232C cable to the sync port. The adaptor required is a 9-pin male to male adaptor as shown.



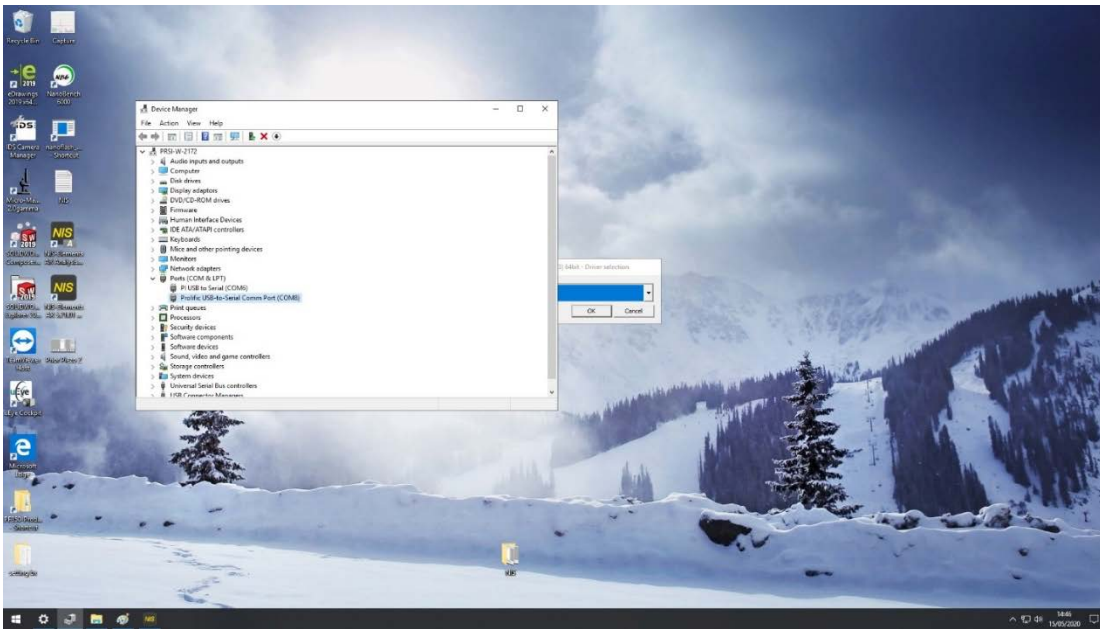
9 pin male to male adaptor

On 'power up', the controller will always sweep the stage across its range to carry out auto-calibration. **It is important to ensure that there is sufficient clearance between the lens, sample and illumination to allow this to take place.** If the temperature or load changes significantly the stage can 'clip' at one end of the travel. Should this happen restart your system to allow auto-calibration.

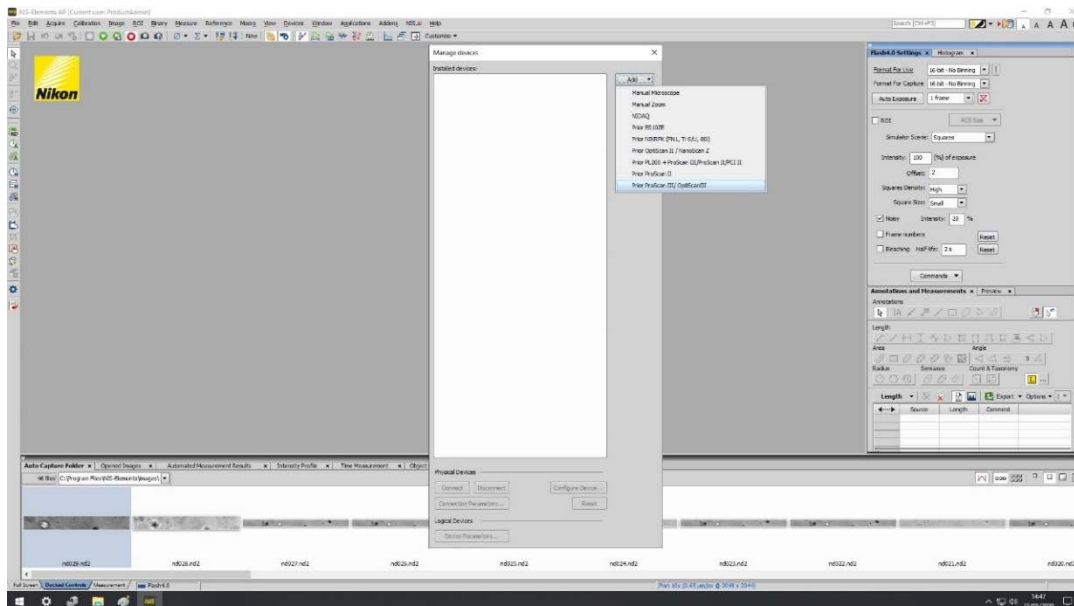
# NIS-ELEMENTS

Once installed navigate to Device Manager and make a note of the serial COM port used.

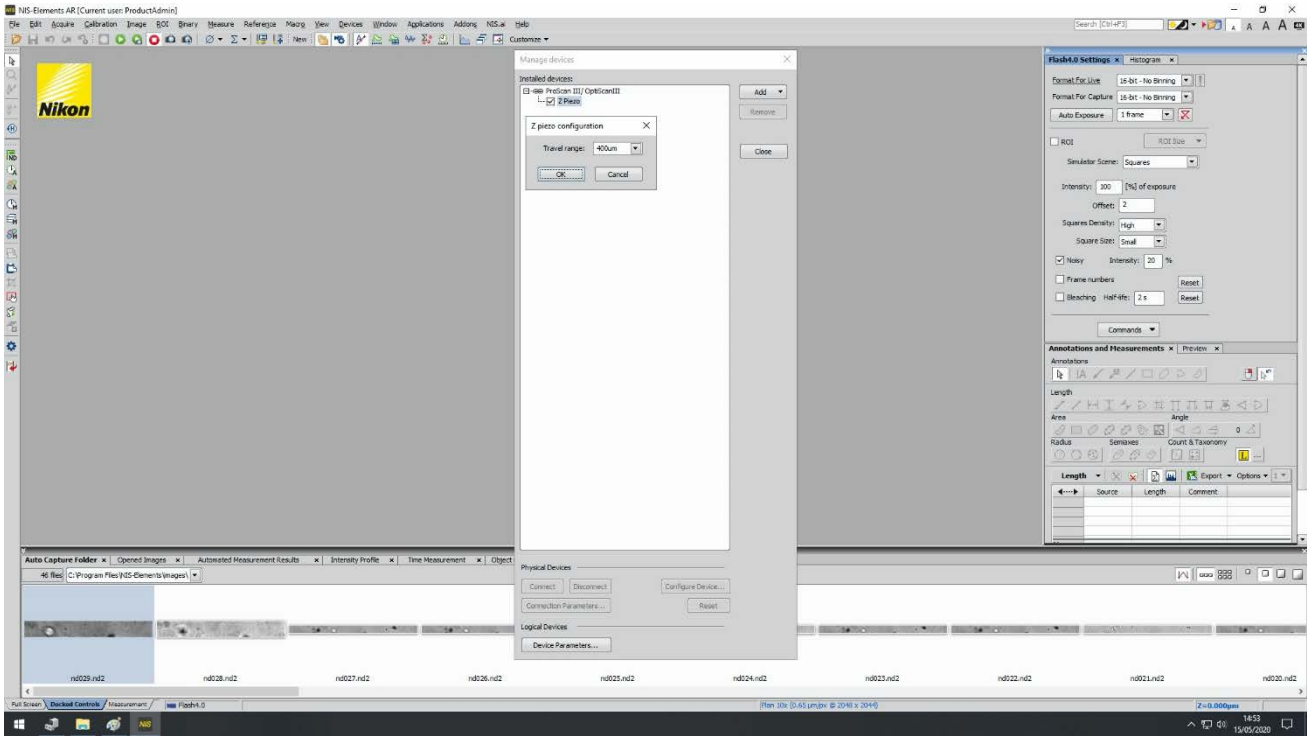
Open NIS-Elements and navigate to the manage device section; install devices as shown below and select "Prior ProScan III/ OptiScan III".



Set the port to the setting found under Device Manager.



Under Manage Devices within Elements select “Prior ProScan III/ OptiScan” and then select “Z Piezo”. Within the Z piezo configuration set the travel range. This is 400um for the NanoScanOP-400 and NanoScanSP-400 and 600um for the NanoScanSP-600.



The conditions for operation are set within the capture Z series page within NIS-Elements. Here you can set the step size, direction and number of steps to build a Z stack.

