

Troubleshooting Andor Zyla USB3.0 and iStar_{sCMOS}

Applicable to Zyla (USB3.0 only) and iStar_{sCMOS}

When initially setting up the Zyla USB 3.0 or iStar sCMOS camera, often queries arise related to the hardware configuration (camera and PC). If not set up correctly, the following error messages may return from Andor software under certain camera configurations.

Communication Error Andor Solis:



Andor SDK:

AT ERR OUTOFRANGE (6)

The out of range error will appear if the handle returned from AT_Open is '-1' indicating that an available camera could not be found.

Acquisition Timeout Error Andor Solis:

Acquisition Messag	e X
Error occurred w	hile acquiring data.
	ОК

Andor SDK:

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AT_ERR_TIMEDOUT (13)
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A time out error will return from AT_WaitBuffer if the function times out while waiting for data arriving in output queue. In the context of this document, a timeout error may be related to insufficient bandwidth or HDD/SDD write speeds (if spooling to disk).

If the PC meets the required specification to run the camera, please follow the chart on the next page to diagnose and resolve the problem. (if unsure, please refer to the PC requirements on the camera Specification Sheet^[1] at <u>www.andor.com</u> for this information).

Technical note





Technical note



Useful links

- ^[1] Zyla Specification Sheet <u>http://www.andor.com/scientific-cameras/neo-and-zyla-scmos-cameras</u> ^[2] Technical Article – PC Specifications for sCMOS
- http://www.andor.com/learning-academy/pc-specifications-for-scmos-technical-article
- ^[3] Product Support <u>http://www.andor.com/ContactSupport</u>