Software Setup

*Our instructions are intended to be used with our **YouTube videos** that illustrate the different steps. For the software setup watch:* **"How to build the SensorBox – Software Setup"**.

We are only doing a basic software setup here to make sure that all components with their drivers and libraries are working properly.

The intend for the SensorBox is to be able to do the **software development directly on the SensorBox**, on the NVIDIA Jetson Xavier NX.

As an option, we also provide the same software setup for the host computer, with exception to the Arducam Sony IMX219 camera modules that require MIPI-CSI connectors that are not available on the host computer.

We use the **NVIDIA SDK Manager** to set up the **NVIDIA development environment** on the host computer and the NVIDIA Jetson Xavier NX.

We use the **Arduino IDE** as the **Arduino development environment** for the SparkFun Redboard Turbo, which at its heart is an Arduino Zero, and the suite of sensors connected to it.

Installation instructions are provided as: a) **manual instructions** b) **Scripts** and c) **Dockerfiles**.

Instructions on how to set up and use the software for the different components can be found in their respective documents in this folder.