Person Sensor by Useful Sensors

SEN-21231

Add advanced computer vision capabilities to your project, without the coding. The Person Sensor from Useful Sensors Inc. includes a camera module pre-programmed with algorithms that detect nearby faces, and return information over a simple Qwiic I^2C interface. It is designed to be used as an input to a larger system and be treated like any other sensor where power and information are provided through SparkFun's Qwiic I^2C interface. There's also a separate interrupt pin, TP1, which is used to indicate if any people have been detected.

Internally the Person Sensor bundles an image sensor and a small microcontroller into a single board. It is a small, low power (~150 milliwatts), and economical hardware module that is capable of detecting nearby faces and returning information about how many there are, where they are relative to the device, and performs facial recognition. This makes it easy to build projects that wake up when people approach, follow their faces, mute a microphone when nobody is present, and even recognize different people to personalize their experiences. The Person Sensor is designed to be a simple way to build smarter devices.