

PIR sensor

The passive infrared (PIR) sensor is an electronic device that measures infrared (IR) light radiating from objects in its field of view.

All objects with a temperature above absolute zero emit heat energy in the form of radiation. Usually this radiation isn't visible to the human eye, because it radiates at IR wavelengths (700 nm – 1 mm), but it can be detected by electronic devices designed for such a purpose, such as the PIR sensor. They are most often used in PIR-based motion detectors.

In this [video](#), you learn how a PIR sensor works and how to use it with arduino.



eCraft2Learn H2020-731345 - UEF.

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This project has received funding from the European Union's Horizon 2020 Coordination & Research and Innovation Action Under Grant Agreement No 731345.