Ultrasonic sensor

It detects the distance of the closest object in front of the sensor.

It measures distance by emitting a sound wave at a specific frequency (40kHz) and listening for that sound wave, when it bounces back. By recording the elapsed time between the generated sound wave and the sound wave bouncing back, it is possible to calculate the distance between the sonar sensor and the object.

This video explains how it works and possible limitations of the device to your projects.

Here you find a tutorial for a project with ultrasonic sensor and arduino.

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