This SHARP distance sensor bounces IR off objects to determine how far away they are. It returns an analog voltage that can be used to determine how close the nearest object is. Comes with 8" long 3-JST interface wire. These sensors are good for detection between 20cm-150cm. For over 1 m distance, we suggest using sonar sensors.

To use, connect black wire to ground, red wire to 5V and white wire to analog input. The analog voltage out will range from 3V when an object is only 8" (20 cm) away and 0.4V when the object is 60" (150 cm) away.

For more information, please see the datasheet!
TECHNICAL DETAILS

Dimensions:
- Length: 21.66mm/0.85in
- Width: 44.39mm/1.75in
- Height: 18.67mm/0.75in
- Weight: 5.06g without cable/7.88g with cable

Screw holes are 37mm apart, 3.2mm diameter.

NETduino driver code

GP2Y0A02YK Datasheet

LEARN

LPC824 NeoPixel IR Distance Sensor
Drive NeoPixels and a Sharp IR distance sensor with the ARM Cortex M0+ LPC824 MCU

MAY WE ALSO SUGGEST...

IR distance sensor includes cable (10cm-80cm)
Maxbotix Ultrasonic
Maxbotix Ultrasonic

PIR (motion) sensor
HC-SR04 Ultrasonic Sonar
Adafruit VL6180X Time of Flight Distance Ranging

IR Break Beam Sensor - 3mm LEDs
Maxbotix Ultrasonic
Adafruit VL53L0X Time of Flight Distance Sensor - 3mm LEDs

IR Break Beam Sensor - 5mm LEDs
Maxbotix Ultrasonic
Adafruit AMG8833 IR Thermal Camera Breakout

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"Two aesthetics exist: the passive aesthetic of mirrors and the active aesthetic of prisms" - Jorge Luis Borges