

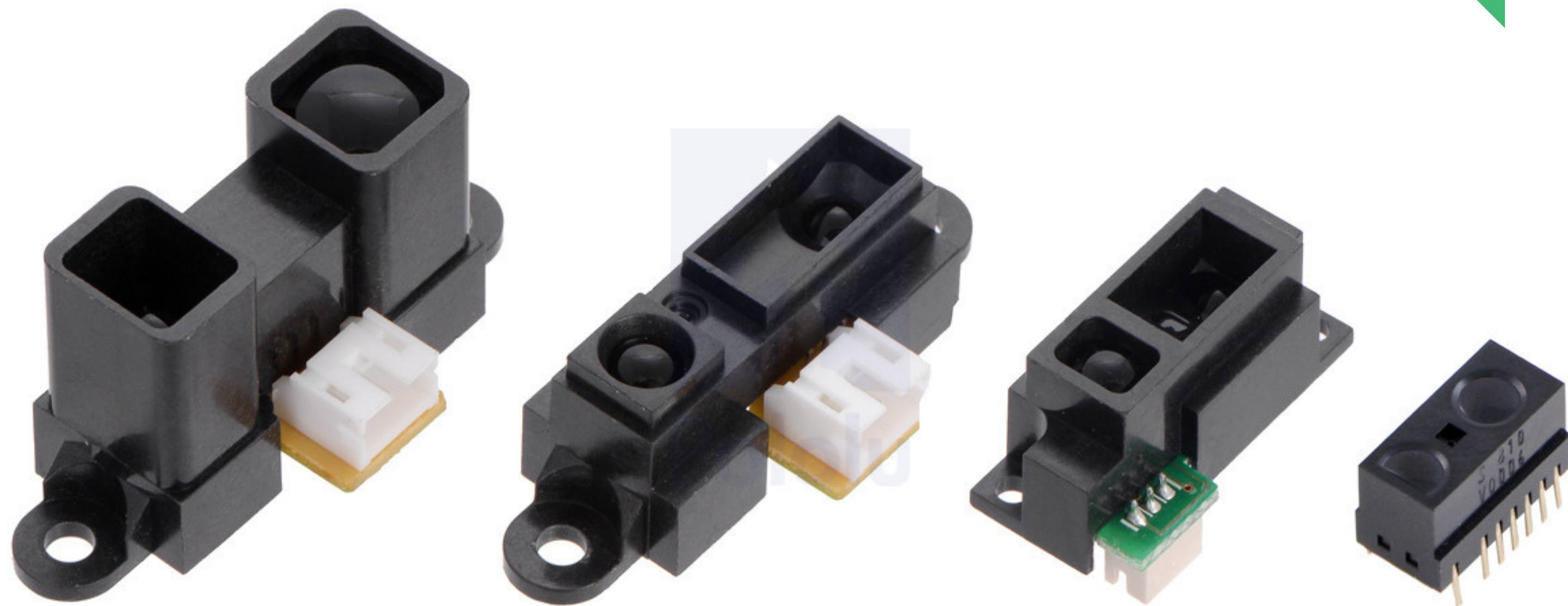


DISTANCE SENSOR

S H A R P G P 2 Y 0 A 2 1 Y K

WHAT IS THE GP2Y0A21YK SENSOR?

GP2Y0A21YK0F is a distance measuring sensor unit, composed of an integrated combination of PSD (position sensitive detector) , IRED (infrared emitting diode) and signal processing circuit. The variety of the reflectivity of the object, the environmental temperature and the operating duration are not influenced easily to the distance detection because of adopting the triangulation method. This device outputs the voltage corresponding to the detection distance. So this sensor can also be used as a proximity sensor

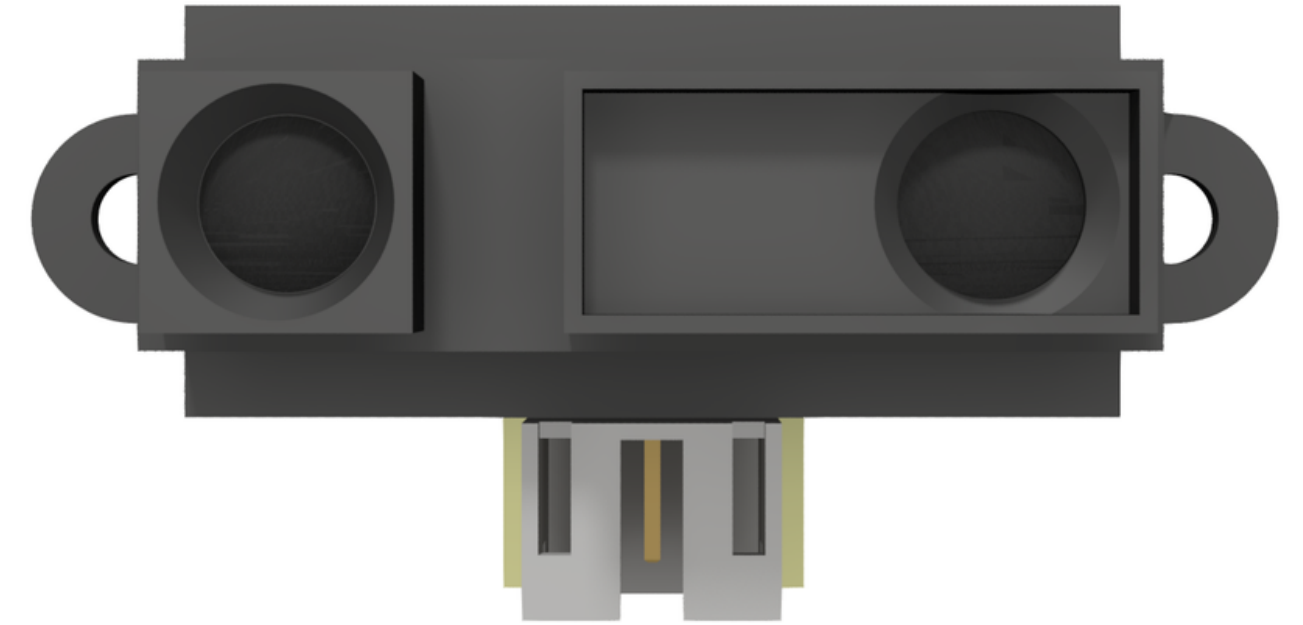


Variety of Sharp sensors

FEATURES

- Composed of an integrated combination of PSD (position sensitive detector), IR LED (Infrared light emitting diode) and signal processing circuit
- Small compact size and easy to use
- Handy and portable
- Capacity available as per the necessary requirement.
- Distance measuring range : 10 to 80 cm
- Analog output type
- Consumption current : Typ. 30 mA
- Supply voltage : 4.5 to 5.5 V

APPLICATIONS



- Telecommunication equipment [terminal]
- Audio visual equipment
- Touch-less switch (Sanitary equipment, Control of illumination, etc.)
- Robot cleaners
- Sensor for energy saving (ATM, Copier, Vending machine)
- Amusement equipment (Robot, Arcade game machine)

Thank You

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