

UNIT Gesture

SKU:U127



Description

PAJ7620U2 touchless Gesture Moving Recognition Sensor Recognise up to 9 Gestures It's a touchless 3D gesture recognition sensor via the **I2C** interface that integrates with **PAJ7620U2**. You could feel the charm of **9 kinds of gesture recognition** by default program. In addition to adding more complex gestures, the recognition rate is up to 240Hz with higher anti-interference capability. This sensor is reliable for its recognition process is intuitive and has low power consumption (operating current only 2.2mA) that allows you to control a robot in accordance with your hand's movement. This is particularly useful in interactive applications.

- **Support 9 gestures:**
 - Up , Down , Left , Right , Front , Back , Clockwise , Counterclockwise , Quick wave

Product Features

- PAJ7620U2 gesture sensor / I2C interface
- Recognizable gestures up to 9 kinds
- Faster, more accurate.
- Support for customizing and adding recognition gesture combinations (support developing)
- Effective recognition distance: 5cm-15cm
- Embedded infrared LED and optical lens, be able to work in low-light even dark environment
- Development Platform:
 - Arduino, UIFlow

Includes

- 1x UNIT Gesture
- 1x HY2.0-4P Cable

Applications

- Touchless remote control
- Robot interaction
- Human-Computer Interaction
- Gesture light control

Specification

Specifications	Parameters
Gesture recognition frequency	Typical value: 120Hz, maximum 240Hz
Support gestures	9 built-in + 4 software extensions + support software algorithm expansion
Effective recognition distance	5cm-15cm
R Ambient light immunity	<100k Lux
Communication interface	I2C, addr: 0x73
Working current	2.2mA
Net weight	4.3g
Gross weight	16.4g
Product size	24 * 32 * 8mm
Packing size	67 * 53 * 12mm

Related Links

- [PAJ7620U2 Datasheet](#)
- [PAJ7620U2 Library](#)

Pin mapping

M5Core(PORT A)	G22	G21	5V	GND
UNIT Gesture	SCL	SDA	VIN	GND

Schematic



