

# 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



