# Educational Sensor Kit
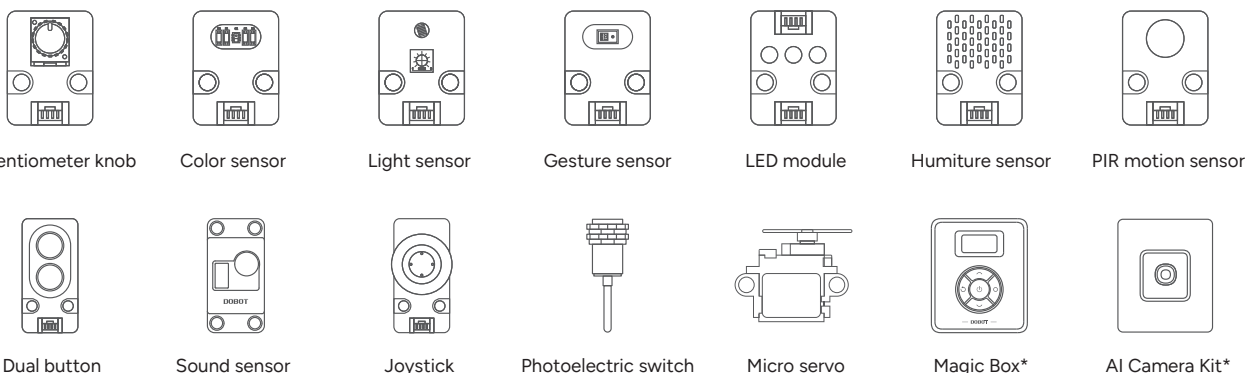
Support Magician/Magician Lite

Enjoy the possibilities of creation in AI+STEAM

12 Modules Of Hands-on Learning Experiences

| Potentiometer knob | Color sensor | Light sensor | Gesture sensor | LED module | Humiture sensor | PIR motion sensor |
| Dual button | Sound sensor | Joystick | Photoelectric switch | Micro servo | Magic Box* | AI Camera Kit* |

DOBOT Educational Sensor Kit embraces a rich software ecosystem, including Python and graphic programming. It provides a teaching demo that ensures an easy start to your programming journey. Educational Sensor Kit supports Magic Box with an integrated AI Camera Kit to enhance intelligent human-machine interaction.

**Engineering Practice**
Free combination of multiple electronic modules
Bring your engineering ideas to life

**Logical Thinking**
Support Magic Box
Provide Block and Python programming options

**Teaching Guidance**
Provide teaching demo
Easy to start programming

**AI Learning**
Image Recognition, Voice Recognition
OCR and Text Recognition, Face Recognition

## DOBOT Magician Sensor Kit Series Shipping List

| | | | |
|---|---|---|---|
| 01. Gesture sensor | 02. Light sensor | 03. LED module | 04. Color sensor |
| 05. Humiture sensor | 06. PIR Motion sensor | 07. Knob potentiometer | 08. Sound sensor |
| 09. Dual button | 10. Joystick | 11. Micro servo | 12. Magic Box* |
| 13. Photoelectric switch (stand included) | 14. AI Camera Kit (including cable clamp)* | *Indicates that the module is only included in the DOBOT Magician Sensor Kit | |

## Types of Interfaces

| No. | Module | Communication mode | Interface | Notes |
|---|---|---|---|---|
| 1 | Photoelectric switch | ADC | Port3/Port4 | Analog input |
| | Potentiometer knob | | | |
| | Color sensor | | | |
| 2 | Joystick | 12C | Port1~Port6 | Digital input |
| | Humiture sensor | | | |
| | Gesture sensor | | | |
| | Color sensor | | | |
| 3 | Micro servo | PWM | Port3~Port6 | PWM input |
| 4 | LED module | Single-bus | Port1~Port6 | - |
| 5 | PIR motion sensor | IO | Port1~Port6 | Common I/O |
| | Dual button | | | |
| | Photoelectric switch | | | |

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