

ATOM 2D/1D Barcode Scanner Kit



Description

ATOM QR-CODE is an M5Atom compatible module for reading Barcode/QR-codes. The product includes two parts: an M5Atom Lite unit and code scanning module. It supports 6 kinds of 2D codes and 19 kinds of 1D codes. It has built-in lighting LED, which can easily identify codes even in a dark environment. The green LED is convenient for focusing and aiming. The effective recognition accuracy of high-resolution CMOS imaging reaches 5mil. In addition, it has a variety of reading modes, which can be adjusted to automatic continuous trigger or manual trigger as required. The module has its own buzzer, which has different prompt sound effects in different states. The module also supports adding custom prefix/suffix to the data, defining multi-national keyboard, data editing and many other functions, it uses TTL-232 for

communication, and can easily use serial port for data transmission. It can be easily used in Arduino or UIFlow programming, You can send the scanned data to the receiver for processing via wired or wireless connection through M5Atom Lite.

Product Features

- Compatible with Atom Matrix/Atom Lite
- Built in lighting and focus LED
- Support Bluetooth and WiFi Based on esp32
- Support Arduino、Micropython、UIFlow
- UART/TTL communication
- Manual and automatic scanning mode
- Light and sound reminders
- Multiple output formats
- Data can be pre-edited and hidden
- Rich custom instructions
- Support RAW / GBK / Unicode
- 2D : QR Code, Mrico QR, Data Matrix, PDF417, Mrico PDF417 , Aztec
- 1D : EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar , Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 Databar, Code 11, Industrial 25 , Standard 25, Plessey, Matrix 2 of 5

Included

- 1x ATOM QR-CODE
- 1x M5Atom Lite
- 1x Hex Key
- 1x M2*8 Hexagon socket cup head machine screw
- 1x TYPE-C USB Cable (20cm)

Application

- Cash register scanning
- Barcode/QR-code input device
- Warehouse inventory

Specification

| Specification | Parameter |
|---------------|--------------|
| Sensor | 640x480 CMOS |
| Illumination | White LED |
| Focus | GreenLED |

| Specification | Parameter |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Read QR code type | QR Code,Mrico QR, Data Matrix, PDF417,Mrico PDF417, Aztec |
| Read Barcode type | EAN,UPC,Code 39,Code 93,Code 128,UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6,ITF-14,ISBN,ISSN, MSI-Plessey, GS1 Databar,Code 11,Industrial 25, Standard 25,Plessey, Matrix 2 of 5 |
| Recognition reading accuracy | ≥5mil |
| Reading range | EAN-13: 50-200mm(13mil), Code39: 40-90mm(5mil 10bytes), QR Code: 25-240mm(20mil 16bytes), Data Matrix: 50-90mm(10mil 20bytes), PDF 417: 30-130mm(6.67mil 7bytes) |
| Contrast ratio | ≥25% |
| Scanning angle | Rotate 360°, Pitch ±55°, Yaw ±55° |
| FOV | Horizontal 34°, Vertical 28° |
| Communication interface | UART/TTL |
| Voltage and Current | DC 3.3V/170mA, Standby 10mA |
| Net weight | 17g |
| Gross weight | 37g |
| Product size | 48*24*18mm |
| Package size | 55*55*20mm |
| Case material | Plastic (PC) |