



SAC 5220
QR Code Reader

User Manual

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1. Description

The QR code reader, RFID card and password is a new generation of readers developed by our company. Its appearance meets industry standards, and it boasts fast scanning speed, high recognition rate, and great compatibility. It can be connected to any controller that supports Wiegand input, making it suitable for various application scenarios.

At present, it is widely used in the management of visitor entry personnel in business office buildings, the management of scenic tourist personnel, Community visitor access management, administrative hall access control, supporting gates, access control, visitor machines, Smart home, etc.. Perfect upgrade for traditional credit card systems in various industries.

2. Technical Parameters

| | |
|---|--|
| Reading card type | EM or Mifare card |
| Interface | Wiegand/USB/RS232/RS485 |
| Reading direction | 45° inclined plane with the lens as the center |
| Voltage Support | 5-15V |
| Reading range (card) | 3-6cm |
| Reading range (Barcode) | 0-20cm |
| Operating Humidity | 10%- 90% |
| Operate system | WindowsXP/7/8/10. Linux |
| Indicating status light | Blue-Work, Green-Feedback |
| Decoding support | QR code.one dimensional code |
| Decoding mode | Image decoding |
| Reading feature | Auto-induction, beep hint |
| Working current | 800mA |
| Reading speed | <200ms |
| Material Case | Tempered glass (code window) |
| Application environment | -20°C~70°C |
| Size (L*W*H) | 86mmx86mmx8mm |
| Weight | 150G |
| Remarks: QR code supported formats: Code128, Code39, EAN-13, EAN-8, EAN-128, QR Code, ISBN-13, Data Matrix, PDF417, UPC-A | |

3. Wire connection

| Colour | WG26/34/66 | RS485 | RS232 |
|--------|------------|---------|---------|
| Red | DC5-15V | DC5-15V | DC5-15V |
| Black | GND | GND | GND |
| Green | D0 | 4R+ | RX |
| White | D1 | 4R- | TX |
| Blue | LED | | |
| Yellow | BEEP | | |
| Gray | WG26/34 | | |

Note:

1. When Wiegand outputs, the scanned two-dimensional code must conform to the card number principle of 8-digit hexadecimal and ten-digit decimal combination of 0-9/AF. The two-dimensional code conforming to the principle of full card number, the controller can receive card number data, not According to the two-dimensional code of the card number principle, the controller cannot receive the card number data.
2. Serial port 485
 IC card number conventional output format For example, the four-byte hexadecimal card number is A1 B2 C3 D4
 The card reader outputs 02 41 31 42 32 43 33 44 34 0D 0A 03
 02 is the head
 the middle is the four-byte hexadecimal card number
 0D carriage return
 0A line feed
 03 is the end
 The data output of the QR code is transparent transmission
 For other output formats, customers need to inform in advance.

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