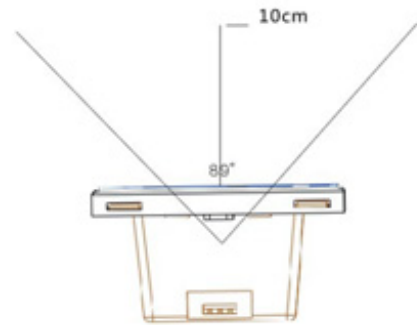


## ID-192081

### EMBEDDED 2D BARCODE READER



- One-dimensional / two-dimensional barcode reading engine
- Barcode reading distance is 0~10 CM
- Intelligent image recognition system

#### PRODUCT DESCRIPTION

The ID-192081 is an embedded one-dimensional/two-dimensional barcode reading engine that uses CMOS imaging technology and an internationally advanced intelligent image recognition system with independent intellectual property rights. ID-192081 has powerful reading performance and can read bar code information on printed matter or magnetic card.

The standard 86 switch size is mainly used for the needs of embedded access switch boxes, libraries, subways, train station gates, and bus credit card machines. The ID-192081 has been specially designed for the reading of the current screen bar code, making screen reading performance even better. ID-192081 also provides users with a wealth of secondary development features, including providing users with a completely open image acquisition interface, device interface, and I/O operation interface. Users can easily solve personalization needs with the provided SDK.

#### MAIN FEATURES

- Standard 86 switch size, easy to embed in other devices, especially the access control panel;
- Support mainstream 1D and 2D codes on the market
- Built-in high-performance processing chip, fast decoding speed, high reading accuracy and capability
- Convenient configuration, support firmware upgrade
- High degree of customization, perfect technical support
- Support Wiegand output, the standard protocol is Wiegand 26 and Wiegand 34 protocol; can be customized according to demand, such as Wiegand 39 protocol, Wiegand 44 protocol, Wiegand 66 protocol ... etc.
- Optionally support NFC recognition, including Mifare series compatible card, ISO / IEC
- 14443A standard card, NFC mobile phone
- Supports reading of second-generation ID UIDs
- Support USB, TTL, RS232, RS485, Wiegand output

## SCANNING PERFORMANCE

- Barcode reading distance is 0~10CM, 5CM distance is the best; depending on the barcode, the situation may be different, it may be far more than 10CM.
- The NFC recognition distance (optional) is 0~5CM. The distance varies according to the card type.

## SPECIFICATIONS

Type	CMOS, gray scale
Resolution	752*480 pixels
Print Contrast	≥20%
Reading Preciseness	≥5 mil
Interface	UART / USB Virtual COM /USB HID-KBW / USB HID-POS / RS232 / Wiegand
Reading Depth	10mm~150mm
Barcode Types 1D	EAN-8/13, UPC-A/E, code39/93/128, EAN128, Codabar, industrial 2 of 5, interleave 2 of 5, matrix 2 of 5, MSI
Barcode Types 2D	MICRO QR, MICRO PDF417,QR Code, DataMatrix, PDF417,CS Code etc.
NFC (Optional)	Support Mifare series compatible card, ISO/IEC14443A Standard card, NFC mobile phone
Ambient Light	0 ~ 100,000 LUX
Scanning Angle	360°@ 0° Pitch and 0° Skew±60°@ 0° Roll and 0° Pitch±40°@ 0° Roll and 0° Skew
Scanning Mode	Manual / Automatic
Input Voltage	DC 4.5~36V
Maximum Current	240mA
Operating Current	200mA
Standby Current	30mA
Maximum Power Consumption	1.5W
Operating Power Consumption	1W
Standby Power Consumption	0.15W
Working Temperature	-20°C~ +60°C
Storage Temperature	-40°C~ +80°C
Working Humidity	5% - 95% (No condensation)
Safety Performance	CE & Rohs
Dimension	86mm x 86mm x 48mm
Weight	260g

