

## DS-K3M200 闸机门禁控制板如何接二维码读卡器

### How to Connect QR Code Reader to DS-K3M200 Access Control Board

介绍:基于 Q340 和 JL700 的二维码读卡器, 本文以闸机型号 DS-K3B801SX、DS-K3B601SX、DS-K3B501SX 和 DS-K3Y501SX 的权限版 DS-K3M200 作为接入对象介绍 232 接线和配置。本文接线方法也适用于其他门禁控制板 232 接口接线。

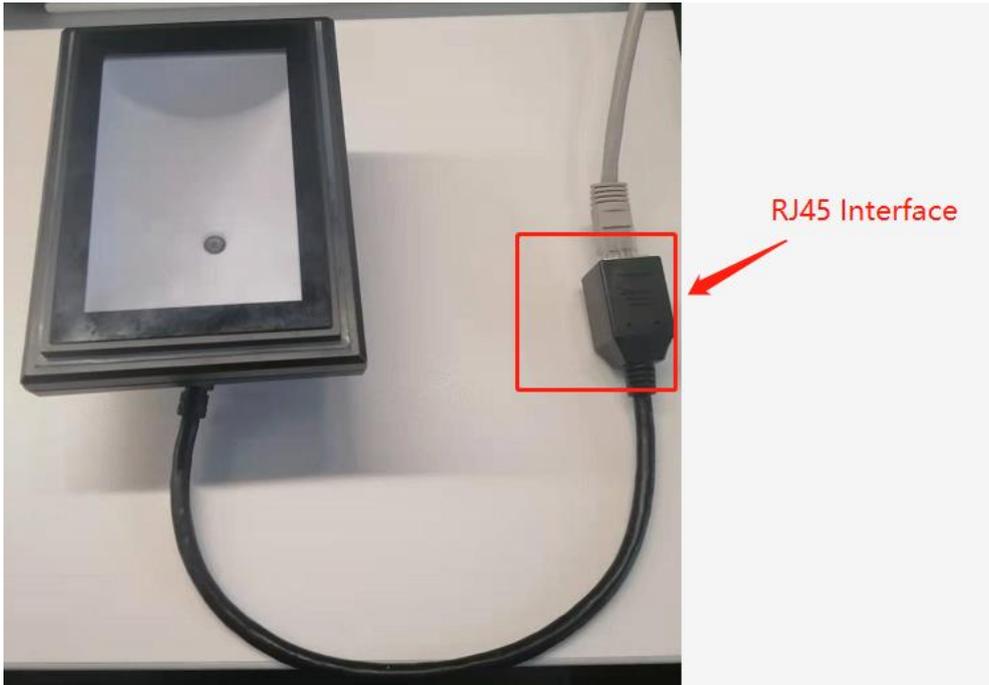
Introduction: Based on Q340 and JL700 QR code reader, this article uses the turnstile model DS-K3B801SX, DS-K3B601SX, DS-K3B501SX and DS-K3Y501SX authorized version DS-K3M200 as the object to introduce 232 wiring and configuration. The wiring method in this article is also applicable to the 232 interface wiring of other access control boards.



#### 一、接线 wiring

第一种情况: 如果二维码读卡器对外输出接口是 RJ45, 这时我们需要做一根网线, 插入 RJ45 头, 另一个头线序通过查看该接口的管脚定义确定。

The first case: If the external output interface of the QR code reader is RJ45, then we need to make a network cable, insert the RJ45 interface, and determine the line sequence of the other said by checking the pin definition of the interface. As shown below:



JL7000 对外输出接口为 RJ45 水晶头，管脚定义如下：

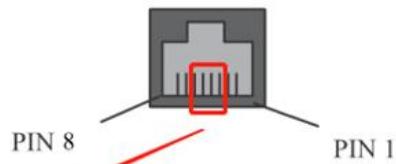
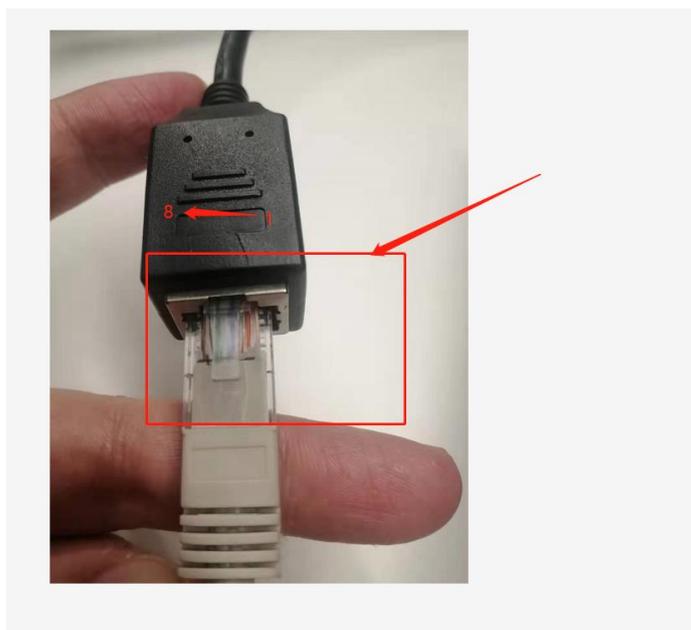
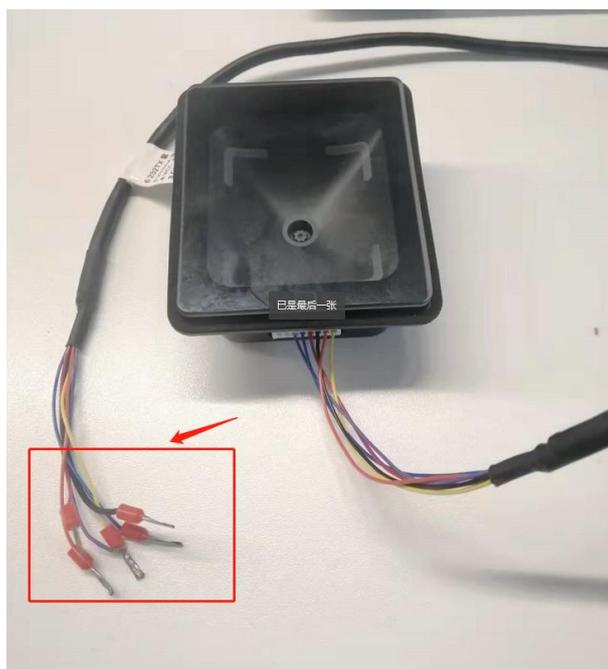


图 2-1 5pin 插座示意图

PIN#	Signal Name	I/O	说明
1	Data+	-	数据+
2	Data-	-	数据-
3	GND	-	地
4	VCC	-	电源
5	TX-232	Output	串口 232 电平输出
6	RX-232	Input	串口 232 电平输入
7	RX	Input	串口逻辑电平输入
8	TX	Output	串口逻辑电平输出



第二种情况：如果二维码读卡器对外输出接口单独通信引出线，那么可以查看标签接线。  
The second case: If the QR code reader has a separate wire for the external output interface, you can check the label wiring.



如果情况一和情况二都已经确定了二维码读卡器的电源 VCC、GND 和通信线 TX-232 和 RX-232 引脚，那么就可以接入 K3M200 权限板了，下图默认 UART7 为进门读卡器，UART8 为出门读卡器，电源接到 Power Output2 接口上。

If the power supply VCC, GND and communication lines TX-232 and RX-232 pins of the QR code reader have been determined in both cases 1 and 2, then the K3M200 access control board can be connected. The default UART7 in the following figure is an enter card reader, UART8 is an exit card reader, and the power supply is connected to the Power Output2 interface.

示意图接口如下：

The schematic interface is as follows:

## DS-K3B501SX Series Swing Barrier Quick Start Guide

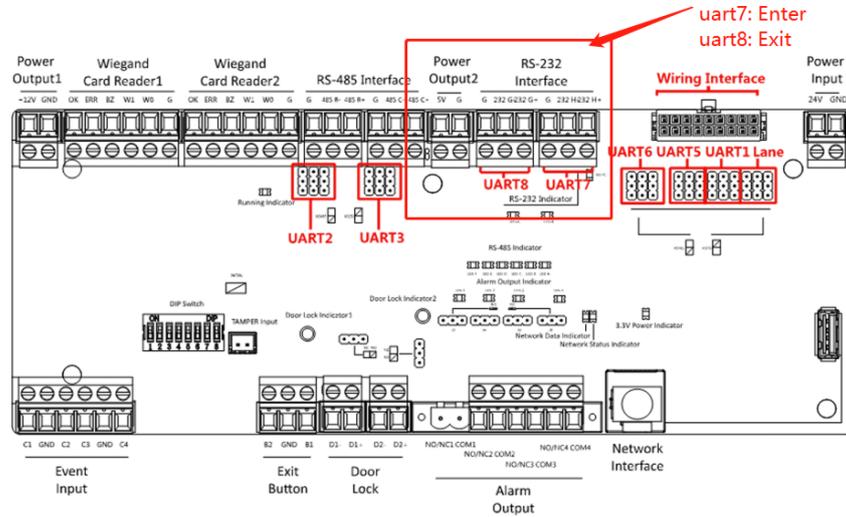
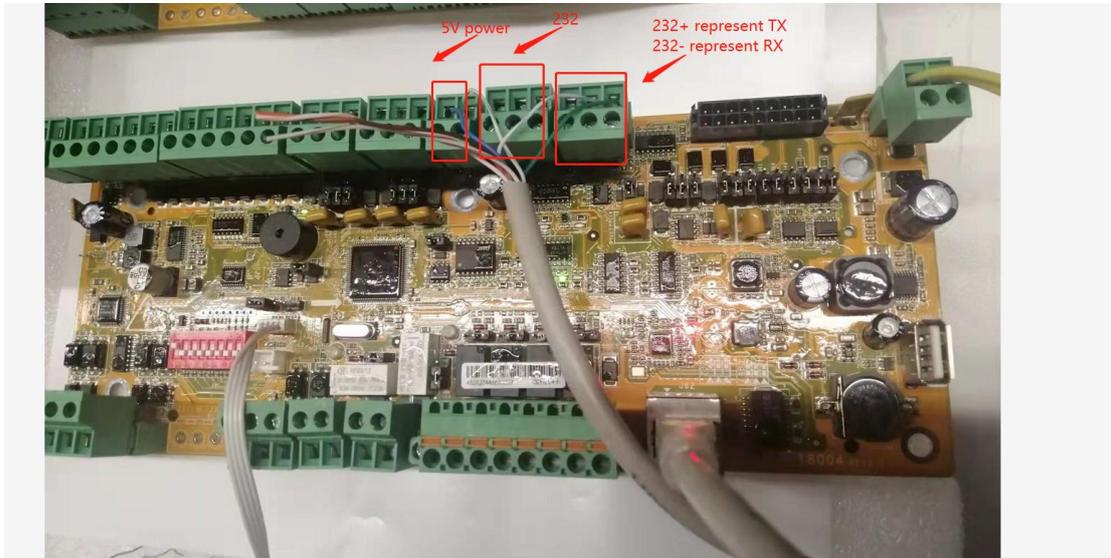


Figure 4-8 Access Control Board

实物图接口如下：

The physical graph interface is as follows:



**注意：**权限板的 232+代表 232TX，232-表示 232RX，所以二维码 232RX 接 232+，232TX 接 232-，即 TX 发射对应 RX 接收。

**Note:** 232+ on the access control board represents 232TX, and 232- represents 232RX, so the QR code 232RX is connected to 232+, and 232TX is connected to 232-, TX transmission corresponds to RX reception.

## 二、配置 configuration

第一步：二维码读卡器是可以扫描配置参数二维码参数来改变相应参数的，所以需要扫

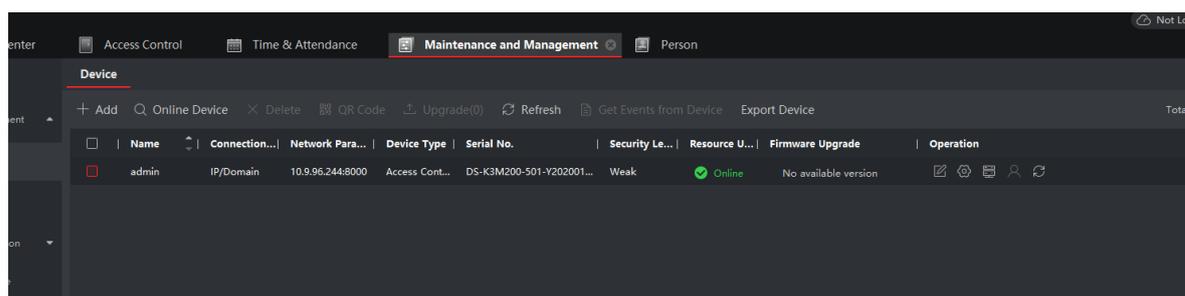
描如下配置参数，设置波特率 115200、232 通信模式。然后扫描完成后，重新上下电二维码读卡器才能生效配置。

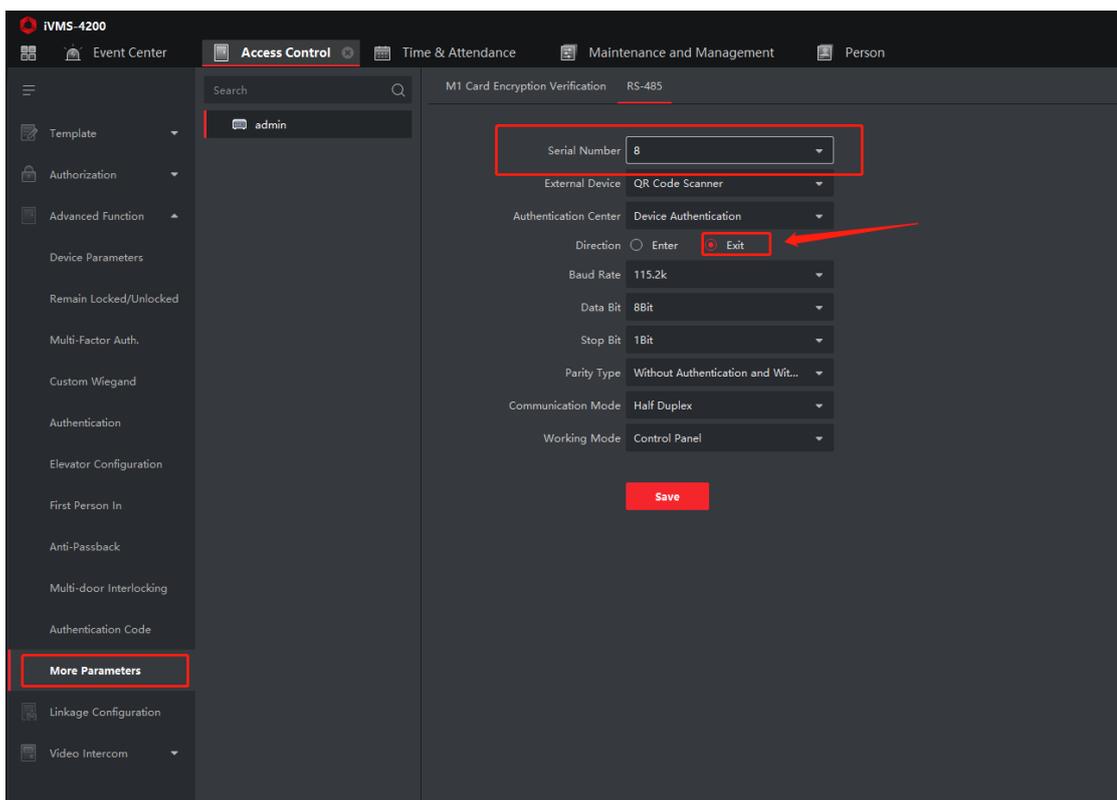
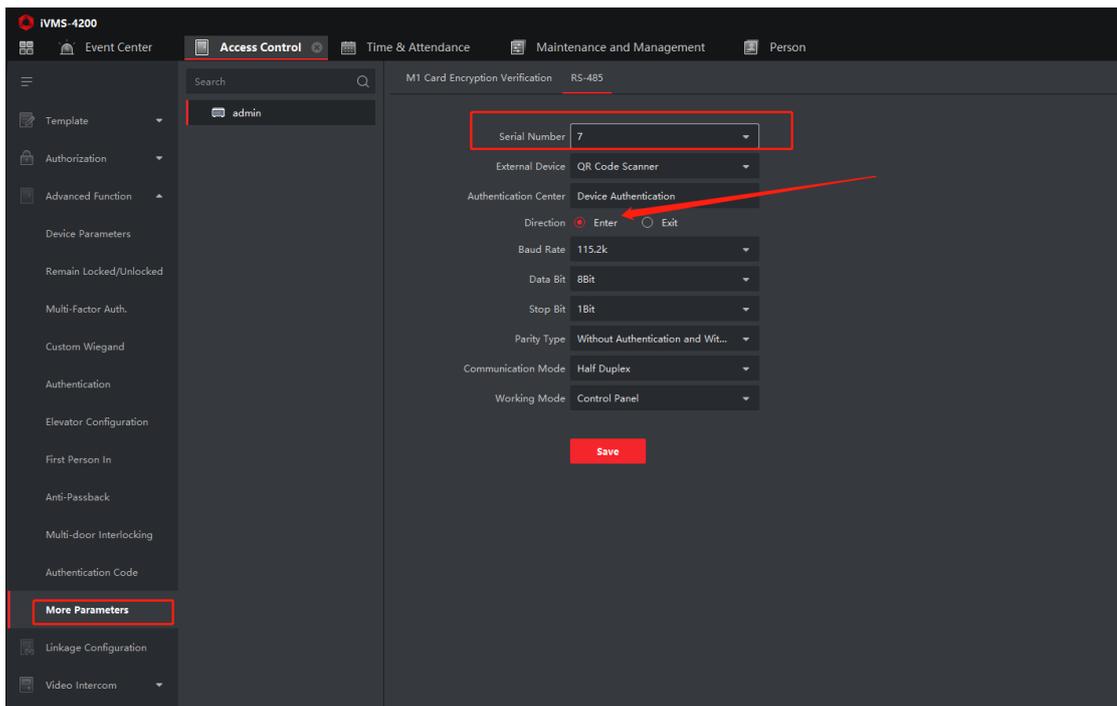
Step 1: The QR code reader can change the corresponding parameters by scanning the parameters QR code, so you need to scan the following configuration parameters, and set the baud rate to 115200 and 232 communication mode. Then after scanning is completed, power on and off the QR code reader again.



第二步：将 K3M200 权限板添加到 IVMS-4200 平台，并且查看权限板的串口 7 和 8 参数配置是否正确，如下三张图所示。

Step 2: Add the K3M200 authorization board to the IVMS-4200 platform, and check whether the serial port 7 and 8 parameters of the access control board are configured correctly, as shown in the following three pictures.

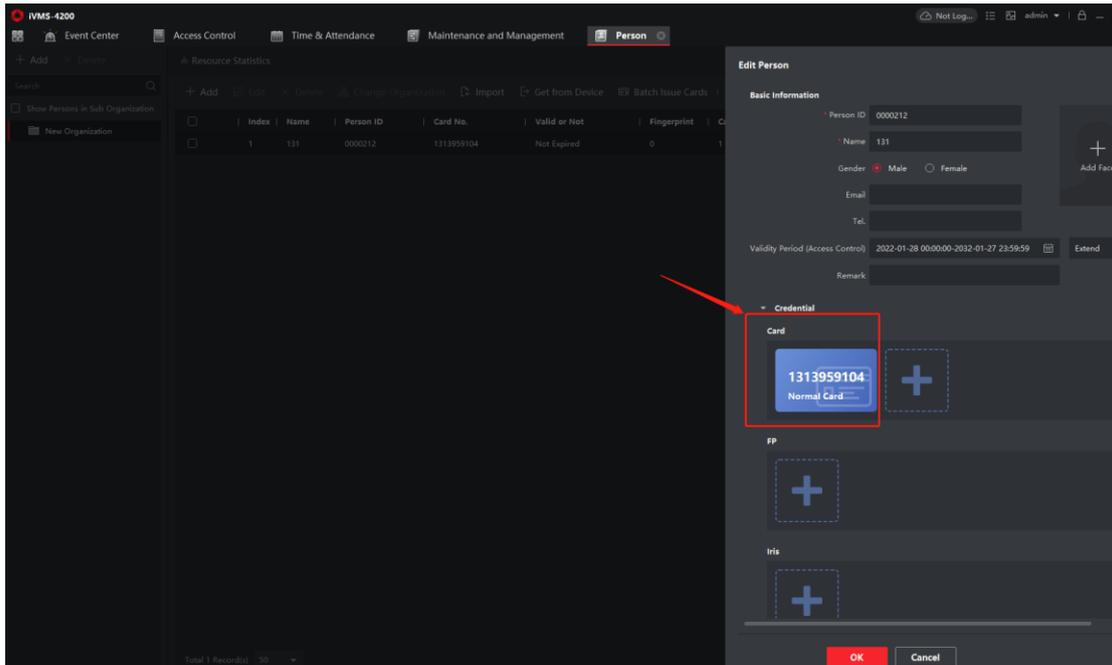




### 三、下发人员 Issuing Staff

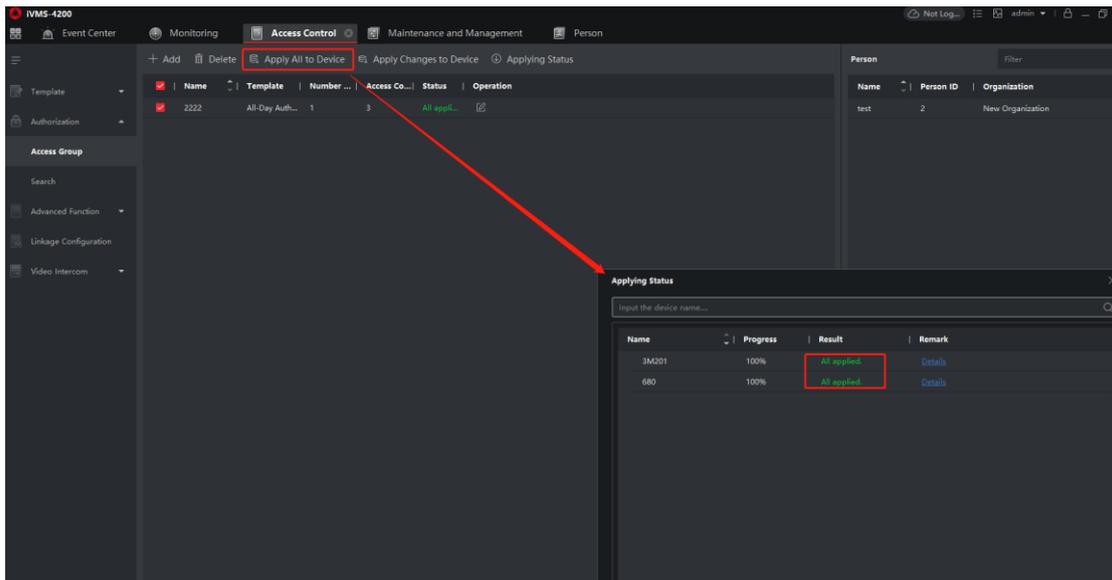
第一步：4200 注册人员的卡号。

Step 1: the card number of the registered person on the 4200.



第二步：下发人员到权限板 DS-K3M200。

Step 2 : Distribute personnel to the Access Control Board DS-K3M200.



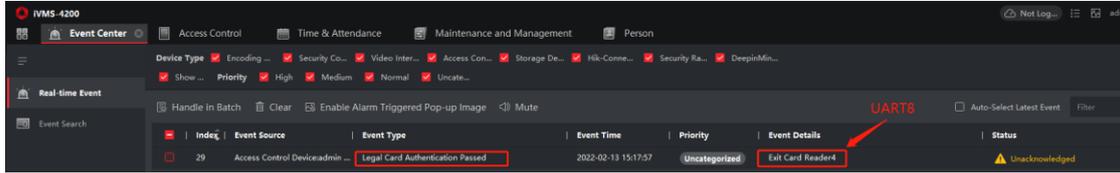
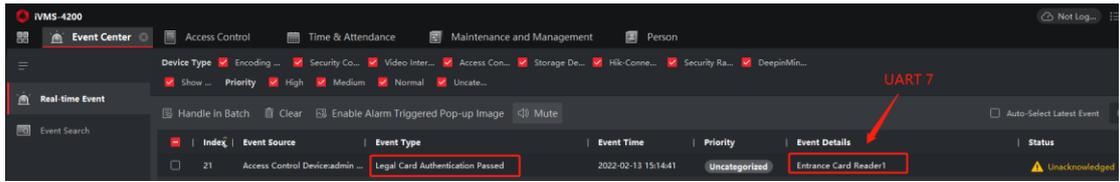
#### 四、二维码 Verification of QR code

从实时事件中心能够看到外接二维码的刷卡记录。

From the real-time event center, you can see the authentication record of QR code.

1、外接二维码读卡器认证事件，如下图。

1. External QR code authentication event, as shown below.



若还需详细内容请查看相应二维码读卡器说明书和闸机说明书。

For more details, please refer to the corresponding QR code User-Manual and Turnstile User-Manual.