

操作说明

1. 版本说明

版本	描述	日期	作者
V1.0	第一个版本	2023.08.04	Gao
V1.1	修改部分描述	2023.08.10	Joy
V1.2	增加使能前缀、前缀数据、心跳间隔时间说明	2023.08.11	Gao
V1.3	增加获取图像的操作步骤	2024.02.20	Gao

2. 扫码器参数设置

通信方式设置为串口



串口

使能数据包格式



使能

3. Demo 工程编译

Demo 工程使用 VS2015 编译

4. Demo 工程测试

运行:demo\Release\demo.exe,再依次输入设置参数(设备名,波特率,数据位,停止位,奇偶校验,数据流,**回车输入默认值**)

```

windows c/c++ uart demo ver:1.0.1[0]
Enter the configuration parameters. By default, press Enter
Please enter serial port number(default: COM3)

Please enter baud rate 0-13(default 10:115200)
0:300
1:600
2:1200
3:2400
4:4800
5:9600
6:14400
7:19200
8:38400
9:57600
10:115200
11:128000
12:192000
13:256000

Please enter data bits 0-3(default 3:8-bit), (0:5-bit) (1:6-bit) (2:7-bit) (3:8-bit)
Please enter the stop bit 0-2(default 0:1-bit), (0:1-bit) (1:1.5-bit) (2:2-bit)
Please enter a check digit 0-3(default 0:NONE), (0:NONE) (1:ODD) (2:EVEN) (3:MARK) (4:SPACE)
Please enter a control flow 0-2(default 0:FW_NONE) (0:FW_NONE, 1:HARDWARE, 2:SOFTWARE)

*****
scanner comm state:1

```

连接设备,确保设备的通信方式是串口(如果不确定按照<1.扫码器参数设置>进行操作).
没有提示任何错误,说明操作成功

输入 a 回车,开始扫描

```

*****
scanner comm state:1
*****
a:start decode
b:stop decode
c:no time decode start
d:get version info
e:get product info
f:set trigger mode; 0:LEVEL, 1:PULSE, 2:CONTINUOUS, 3:AUTOSENS; save:0:no, 1:yes. (eg:f01)
g:get trigger mode
h:set light LED; 0:working light, 1:always off, 2:always on; save:0:no, 1:yes. (eg:h01)
i:get light LED
j:set prefix state; 0:OFF prefix, 1:ON prefix; save:0:no, 1:yes. (eg:j01)
k:get prefix state
l:set prefix parm,prefix by default:ABC(eg:l0)
m:get prefix
n:set suffix state; 0:OFF suffix, 1:ON suffix; save:0:no, 1:yes. (eg:n01)
o:get suffix state
p:set suffix parm,suffix by default:CBA(eg:p0)
r:get suffix
s:set light focus; 0:working light, 1:always off, 2:always on; save:0:no, 1:yes. (eg:s01)
t:get light focus
u:set once scan time; from 0 to 65535ms; 0 indicates that there is no time limit; save:0:no, 1:yes. (eg:u1000)+Enter+(eg:l)
v:get once scan time
w:set beep volume; from 0 to 100, 0: Silent; save:0:no, 1:yes. (eg:w50)+Enter+(eg:l)
x:get beep volume
y:reset
z:scan switch; 0:OFF, 1:ON
1:setcode switch; 0:OFF, 1:ON; save:0:no, 1:yes. (eg:101)
2:set heartbeat; 0:Default, 1:No need for ACK, 2:need for ACK; save:0:no, 1:yes. (eg:201)
3:get heartbeat
4:set heartbeat gap time; from 0 to 2147483648ms; save:0:no, 1:yes. (eg:41000)+Enter+(eg:l)
5:get heartbeat gap time
6:set heartbeat wait ack time; from 0 to 2147483648ms; save:0:no, 1:yes. (eg:61000)+Enter+(eg:l)
7:get heartbeat wait ack time
8:get image
9:get image info
q:quit
*****
a
start

```

扫描成功数据

[001]:表示扫描成功的次数

[01]:扫描成功码的类型

len:扫描数据的长度

data:扫描数据

```

m:get prefix
n:set suffix state; 0:OFF suffix,1:ON suffix; save:0:no,1:yes. (eg:n01)
o:get suffix state
p:set suffix parm; suffix by default:CBA(eg:p0)
r:get suffix
s:set light focus; 0:working light,1:always off,2:always on; save:0:no,1:yes. (eg:s01)
t:get light focus
u:set once scan time; from 0 to 65535ms; 0 indicates that there is no time limit; save:0:no,1:yes. (eg:u1000)+Enter+(eg:1)
v:get once scan time
w:set beep volume; from 0 to 100, 0: Silent; save:0:no,1:yes. (eg:w50)+Enter+(eg:1)
x:get beep volume
y:reset
z:scan switch; 0:OFF, 1:ON
1:setcode switch; 0:OFF, 1:ON; save:0:no,1:yes. (eg:101)
2:set heartbeat; 0:Default,1:No need for ACK,2:need for ACK; save:0:no,1:yes. (eg:201)
3:get heartbeat
4:set heartbeat gap time; from 0 to 2147483648ms; save:0:no,1:yes. (eg:41000)+Enter+(eg:1)
5:get heartbeat gap time
6:set heartbeat wait ack time; from 0 to 2147483648ms; save:0:no,1:yes. (eg:61000)+Enter+(eg:1)
7:get heartbeat wait ack time
8:get image
9:get image info
q:quit
*****
a
start
[001][61]len:12, data:12345678901

```

获取版本信息

输入 d 回车

```

d
V1.7.0[200.4.1]-Jun 14 2023

```

设置照明灯临时常亮

输入 h20 回车

```

h20
2,0

```

设置照明灯永久常亮

输入 h21 回车

```

h21
2,1

```

设置使能前缀临时生效

输入 j10 回车

```

j10
1,0

```

设置前缀数据临时生效

在确定是使能前缀的情况下,输入 i0 回车

```

j10
1,0
i0
0
[001][61]len:16, data:ABC12345678901

```

设置临时心跳间隔时间 1000ms

输入 41000 回车,再输入 0 回车

```
41000
0
```

获取图像

第一步:使能图像上传



使能

第二步:输入 8,获取图像

```
8
image get success
```

图片会生成在 **demo.exe** 同目录下,使用 **bf_image** 软件打开图片可以看到图片内容(启动设备之后,如果没有触发摄像头扫描,获取到的图片内容是空的;触发摄像头扫描之后再进行获取图像,会获取到摄像头捕捉的图像画面)