

1.RS-232 Command:

Baudrate: 115200

Data width: 8bit

Parity: none

Stop: 1bit

Port switch command package length is 13byte:

[0xa5+0x5b+0x02+0x03+**input port(1~4)**+0x00+0x01+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just "input port", "output port", "checksum"

Checksum=0x100 - (0xa5+0x5b+0x02+0x03+**input port(1~4)**+0x00+0x01+0x00+0x00+0x00+0x00+0x00)

For example: Set output form input 2 command:

A5 5B 02 03 02 00 01 00 00 00 00 00 F8

Port switch query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query output

Send package: A5 5B 02 01 01 00 00 00 00 00 00 00 FC

Receive package: A5 5B 02 01 01 00 **01** 00 00 00 00 00 FB

The blue **01** mean the input port number, it should be 1~4.

Resolution configure package length is 13byte:

[0xa5+0x5b+0x08+0x06+**resolution(0~4)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just "iresolution", checksum"

Checksum=0x100 - (0xa5+0x5b+0x02+0x03+**resolution(0~4)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

resolution(0~4)分别为 1080P, 720P, 1080I, 1024X768, 1360X768

For example: Set output resolution 720P command:

A5 5B 08 06 01 00 00 00 00 00 00 00 F1

Resolution query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query **Resolution**

Send package: A5 5B 09 06 00 00 00 00 00 00 00 00 F1

Receive package: A5 5B 09 06 **01** 00 00 00 00 00 00 00 F0

The blue **01** mean the resolution is 720P, it should be 0~4.

MODE configure package length is 13byte:

There is only five modes



A5 5B 08 05 00 00 00 00 00 00 00 00 F3



A5 5B 08 05 01 00 00 00 00 00 00 00 F2



A5 5B 08 05 02 00 00 00 00 00 00 00 F1



A5 5B 08 05 03 00 00 00 00 00 00 00 F0



A5 5B 08 05 04 00 00 00 00 00 00 00 EF

MODE query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query **MODE**

Send package: A5 5B 09 05 00 00 00 00 00 00 00 00 F2

Receive package: A5 5B 09 05 01 00 00 00 00 00 00 00 F1

The blue 01 mean the  MODE , it should be 0~4.

PIP MODE position configure package length is 13byte:



A5 5B 19 03 01 00 00 00 00 00 00 00 E3



A5 5B 19 03 02 00 00 00 00 00 00 00 E2



A5 5B 19 03 03 00 00 00 00 00 00 00 E1



A5 5B 19 03 04 00 00 00 00 00 00 00 E0

PIP MODE position query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query **position**

Send package: A5 5B 19 04 00 00 00 00 00 00 00 00 E3

Receive package: A5 5B 19 04 01 00 00 00 00 00 00 00 E2

The blue 01 mean the  MODE , it should be 1~4.

PQ regulate package length is 13byte:

[0xa5+0x5b+0x08+**TYPE(1~4)**+**DATA**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just "TYPE", "DATA", "checksum"

Checksum=0x100 - (0xa5+0x5b+0x08+**TYPE(1~4)**+**DATA**+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

TYPE (1-4) 分别为 Contrast, Brightness, Color, Sharpness

Contrast, Brightness and Color **DATA** from 0 to 99 ; Sharpness **DATA** from 0 to 8

For example: Set Contrast 72 command:

A5 5B 08 01 48 00 00 00 00 00 00 AF

PQ query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query Contrast

Send package: A5 5B 09 01 00 00 00 00 00 00 00 00 F6

Receive package: A5 5B 09 01 32 00 00 00 00 00 00 00 C4

The red 01 mean **query** the Contrast , it should be 1~4(Contrast, Brightness, Color, Sharpness)

The blue 32 mean the Contrast is 50 , it should be 0~99.

Rreset sys configure package length is 13byte:

Send package: A5 5B 08 0A 00 00 00 00 00 00 00 00 EE

Receive package: A5 5B 08 0A 00 00 00 00 00 00 00 00 EE

OSD enable configure package length is 13byte:

ON :A5 5B 08 09 01 00 00 00 00 00 00 00 EE

OFF :A5 5B 08 09 00 00 00 00 00 00 00 00 EF

OSD enable query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query OSD enable

Send package: A5 5B 0A 09 00 00 00 00 00 00 00 00 ED

Receive package: A5 5B 0A 09 01 00 00 00 00 00 00 00 EC

The blue 01 mean the OSD is enable , it should be 0~1. (if 00 ,it mean disable)

Show Border configure package length is 13byte:

Show Border :A5 5B 0C 01 0F 00 0F 00 00 00 00 00 D5

Hidden Border :A5 5B 0C 01 F0 00 F0 00 00 00 00 00 13

Show Border query package length is 13byte:

This is a query command which mean you must send query package and then receive an answer.

For example: Query **Border State**

Send package: A5 5B 0C 03 00 00 00 00 00 00 00 00 F1

Receive package: A5 5B 0C 03 0F 00 00 00 00 00 00 00 E2

The blue 0F mean the Show Border , it should be 0~1. (if F0 ,it mean Hidden Border)

IR command:

NEC code

#define SYSTEM_CODE 0x08

```
#define IRCODE_1080P 0x55
#define IRCODE_720P 0x17
#define IRCODE_1080I 0x57
#define IRCODE_1024X768 0x4C
```

```
#define IRCODE_1360X768 0x4E
#define IRCODE_F1 0x0D
#define IRCODE_F2 0x56
#define IRCODE_Reset 0x16

#define IRCODE_OneCh 0x08
#define IRCODE_MainSub 0x48
#define IRCODE_FourCh 0x4b

#define IRCODE_INPUT1 0x4D
#define IRCODE_INPUT2 0x41
#define IRCODE_INPUT3 0x49
#define IRCODE_INPUT4 0x0B
#define IRCODE_INPUT_LEFT 0x54
#define IRCODE_INPUT_RIGHT 0x47

#define IRCODE_Contrast_L 0x4F
#define IRCODE_Contrast_R 0x44
#define IRCODE_Brightness_L 0x50
#define IRCODE_Brightness_R 0x0E
#define IRCODE_Color_L 0x13
#define IRCODE_Color_R 0x12
#define IRCODE_Sharpness_L 0x15
#define IRCODE_Sharpness_R 0x53
```