**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(1~2)**+0x00+0x01+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just “input port” , ”checksum”

Checksum=0x100 – (0xa5+0x5b+0x02+0x03+**input port(1~2)**+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 1~2.

**Resolution configure** **package length is 13byte:**

[0xa5+0x5b+0x08+0x06+**resolution(0~5)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00+**checksum**]

All you need to change is just “resolution”, checksum”

Checksum=0x100 – (0xa5+0x5b+0x02+0x03+**resolution(0~5)**+0x00+0x00+0x00+0x00+0x00+0x00+0x00)

**resolution(0~5)** 1080P，720P， 1080I，1024X768，1360X768 4K30

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 02 00 00 00 00 00 00 00 F0

The blue 02 mean the resolution is 1080I, it should be 0~4.

**MODE configure** **package length is 13byte:**

**There is only four modes**

A5 5B 19 01 01 00 00 00 00 00 01 00 E4

A5 5B 19 01 02 00 00 00 00 00 02 00 E2

A5 5B 19 01 03 00 00 00 00 00 03 00 E0

A5 5B 19 01 04 00 00 00 00 00 04 00 DE

**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 19 02 00 00 00 00 00 00 00 00 E5

Receive package: A5 5B 19 02 01 00 00 00 00 00 00 00 E4

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

**Position configure** **package length is 13byte:**

A5 5B 19 03 01 00 00 00 00 00 01 00 E2

A5 5B 19 03 02 00 00 00 00 00 02 00 E0

A5 5B 19 03 03 00 00 00 00 00 03 00 DE

A5 5B 19 03 04 00 00 00 00 00 04 00 DC

**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 position is , it should be 1 ~ 4.

**Size configure** **package length is 13byte:**

Small: A5 5B 19 05 01 00 00 00 00 00 01 00 E0

Medium: A5 5B 19 05 02 00 00 00 00 00 02 00 DE

Large: A5 5B 19 05 03 00 00 00 00 00 03 00 DC

**Size 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 **Size**

Send package: A5 5B 19 06 00 00 00 00 00 00 00 00 E1

Receive package: A5 5B 19 06 01 00 00 00 00 00 00 00 E0

The blue 01 mean the small, it should be 1 ~ 3.

**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 Borderquery package length is 13byte:**

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

For example: Query **BorderState**

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

Receive package: A5 5B 0C 03 0F00 00 00 00 00 00 00 E2

The blue0F mean the Show Border , it should be 0~1. (if F0 ,it mean Hidden Border)

**Reset 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

**Position setting package length is 13byte:**

Send package: A5 5B 19 07 00 00 00 00 05 00 02 D0 FB

Receive package: A5 5B 19 08 00 00 00 00 05 00 02 D0 08

The blue 00 00 mean the Start X point;

The red 00 00 mean the Start Y point;

The red 05 00 mean the Width;

The red 02 D0 mean the Height;

**IR command：**

**NEC code**

**#define SYSTEM\_CODE 0x86**

#define IRCODE\_POWER 0x04

#define IRCODE\_INPUT1 0x00

#define IRCODE\_ INPUT2 0x43

#define IRCODE\_UP 0x17

#define IRCODE\_DOWN 0x1B

#define IRCODE\_LEFT 0x1A

#define IRCODE\_RIGHT 0x59

#define IRCODE\_SIZE 0x42

#define IRCODE\_MODE 0x16

#define IRCODE\_Resolution 0x0F