



Introduction

This is a 1-card 1-port 4K60 quad-view output card to be used on the 8x8, 16x16 and 36x36 modular chassis matrix, it can support several working modes(quad-view, single-picture, PIP, etc) and this card can be controlled via the remote control, sending RS232 codes or pushing the LAYOUT key, the output resolution can up to 4K60.

Features

- Output resolution up to 4K60
- Supports RS232/IR remote and LAYOUT key control
- Supports several working modes
- Supports 1-card 1-port
- Can work with the 8x8, 16x16 and 36x36 Card Cage chassis

RS232 commands

RS232 cable with straight-through connection

Communication protocol:

Baud rate: 115200

Data bit: 8

Stop bit: 1

Check bit: None

All control instructions are sent in hexadecimal mode

8 Working Modes:

Single-Window: EB 90 00 11 00 ff 32 00 00 01 02 03 00 00 00 00 00

2-Window(LeftRight_Middle): EB 90 00 12 00 ff 32 01 00 01 02 03 00 00 00 00 00

2-Window(Pip_LeftTop): EB 90 00 11 00 ff 32 02 00 01 02 03 00 00 00 00 00

2-Window(Pip_RightBotom): EB 90 00 12 00 ff 32 03 00 01 02 03 00 00 00 00 00

3-Window(Up1Down2): EB 90 00 11 00 ff 32 04 00 01 02 03 00 00 00 00 00 00
3-Window(Up1Down2_02): EB 90 00 12 00 ff 32 05 00 01 02 03 00 00 00 00 00 00
3-Window(Pix2_Down): EB 90 00 12 00 ff 32 06 00 01 02 03 00 00 00 00 00 00
4-Window(2x2): EB 90 00 12 00 ff 32 07 00 01 02 03 00 00 00 00 00 00

Window sources switching:

Win1~4 switch to PORT1~4(one on one): EB 90 00 12 00 ff 31 00 01 02 03 00 00 00 00 00 00 00
Win1~4 switch to PORT1(All windows show same PORT1): EB 90 00 12 00 ff 31 00 00 00 00 00 00 00 00 00 00
Win1~4 switch to PORT1(All windows show same PORT2): EB 90 00 12 00 ff 31 01 01 01 01 00 00 00 00 00 00 00
Win1~4 switch to PORT1(All windows show same PORT3): EB 90 00 12 00 ff 31 02 02 02 02 00 00 00 00 00 00 00
Win1~4 switch to PORT1(All windows show same PORT4): EB 90 00 12 00 ff 31 03 03 03 03 00 00 00 00 00 00 00

Audio Channel Switching:

Audio channel 1: EB 90 00 12 00 ff 30 00 00 00 00 00 00 00 00 00 00 00
Audio channel 2: EB 90 00 12 00 ff 30 01 00 00 00 00 00 00 00 00 00 00
Audio channel 3: EB 90 00 12 00 ff 30 02 00 00 00 00 00 00 00 00 00 00
Audio channel 4: EB 90 00 12 00 ff 30 03 00 00 00 00 00 00 00 00 00 00

Resolutions:

1920x1080@60: EB 90 00 12 00 ff 23 00 00 00 00 00 00 00 00 00 00 00
1920x1080@50: EB 90 00 12 00 ff 23 01 00 00 00 00 00 00 00 00 00 00
1920x1200@60: EB 90 00 12 00 ff 23 02 00 00 00 00 00 00 00 00 00 00
1360x768@60: EB 90 00 12 00 ff 23 03 00 00 00 00 00 00 00 00 00 00
1280x720x60: EB 90 00 12 00 ff 23 04 00 00 00 00 00 00 00 00 00 00
1024x768x60: EB 90 00 12 00 ff 23 05 00 00 00 00 00 00 00 00 00 00
2560X1600x60: EB 90 00 12 00 ff 23 06 00 00 00 00 00 00 00 00 00 00
2560X1600x50: EB 90 00 12 00 ff 23 07 00 00 00 00 00 00 00 00 00 00
3840x2160x60: EB 90 00 12 00 ff 23 08 00 00 00 00 00 00 00 00 00 00
3840x2160x50: EB 90 00 12 00 ff 23 09 00 00 00 00 00 00 00 00 00 00
3840x2160x30: EB 90 00 12 00 ff 23 0A 00 00 00 00 00 00 00 00 00 00
3840x2160x25: EB 90 00 12 00 ff 23 0B 00 00 00 00 00 00 00 00 00 00
3840x2160x24: EB 90 00 12 00 ff 23 0C 00 00 00 00 00 00 00 00 00 00
4096x2160@60: EB 90 00 12 00 ff 23 0D 00 00 00 00 00 00 00 00 00 00
4096x2160@30: EB 90 00 12 00 ff 23 0E 00 00 00 00 00 00 00 00 00 00
720x480@60: EB 90 00 12 00 ff 23 0F 00 00 00 00 00 00 00 00 00 00
720x576@50: EB 90 00 12 00 ff 23 10 00 00 00 00 00 00 00 00 00 00
2560x1080@60: EB 90 00 12 00 ff 23 11 00 00 00 00 00 00 00 00 00 00
2560x1440@60: EB 90 00 12 00 ff 23 12 00 00 00 00 00 00 00 00 00 00
4096X1424@60: EB 90 00 12 00 ff 23 FF 10 00 05 90 3C 00 00 00 00 00 00

Factory Reset:

EB 90 00 12 00 ff 21 00 00 00 00 00 00 00 00 00 00 00