

# High Definition Video Decoder

ADU8706/09/12-E



## Key Features

- Provide 6/9/12 HDMI output interfaces
- Provide 2 DVI-D and 2 HDMI input interfaces
- Up to 3840x2160@30Hz via HDMI output interfaces
- Up to 3840x2160@30Hz via HDMI input interfaces
- Single port decoding capability up to 16\*1080P@30
- Up to decoding at 12MP resolution
- Support window opening, roaming and picture in picture
- Support multicast
- Support for virtual LED
- Support Fine Pixel LED display
- Decode video stream in H.265/ H.264/MPEG4
- Support up to 6/9/12 video-wall display units
- Support local upgrade and remote upgrade

## Specifications

| Model               | ADU8706-E                                                                                                                                                                                              |                                             | ADU8709-E                                   | ADU8712-E |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|-----------|
| Video Output        |                                                                                                                                                                                                        |                                             |                                             |           |
| Output channel      | 6                                                                                                                                                                                                      |                                             | 9                                           | 12        |
| HDMI output         | 4K: 3840× 2160@30Hz, WUXGA:1920× 1200@60Hz, 1080P:1920× 1080@60Hz, UXGA:1600× 1200@60Hz, WXGA+:1440× 900@60Hz, SXGA:1280× 1024@60Hz, 720P:1280× 720@60Hz, XGA:1024× 768@60Hz                           |                                             |                                             |           |
| Video input         |                                                                                                                                                                                                        |                                             |                                             |           |
| Input channel       | 2*DVI,2*HDMI                                                                                                                                                                                           |                                             |                                             |           |
| DVI input           | 1080P:1920× 1080@60Hz, 1080P:1920× 1080@50Hz, UXGA:1600× 1200@60Hz, WXGA+:1440× 900@60Hz, SXGA:1280× 1024@60Hz, 720P:1280× 720@60Hz, 720P:1280× 720@50Hz, XGA:1024× 768@60Hz                           |                                             |                                             |           |
| HDMI input          | 4K: 3840 × 2160@30Hz, 1080P:1920 × 1080@60Hz, 1080P:1920 × 1080@50Hz, UXGA:1600 × 1200@60Hz, WXGA+:1440× 900@60Hz, SXGA:1280× 1024@60Hz, 720P:1280× 720@60Hz, 720P:1280× 720@50Hz, XGA:1024 × 768@60Hz |                                             |                                             |           |
| Video Decoding      |                                                                                                                                                                                                        |                                             |                                             |           |
| Video Stream Format | H.265, H.264, MPEG4                                                                                                                                                                                    |                                             |                                             |           |
| Decoding Capability | 8*12MP@20/8*4K@30/32*1080P@30/72*720P@30                                                                                                                                                               | 12*12MP@20/12*4K@30/48*1080P@30/108*720P@30 | 16*12MP@20/16*4K@30/64*1080P@30/144*720P@30 |           |
| Display split       | 1/2/3/4/5/6/7/8/9/10/13/16                                                                                                                                                                             |                                             |                                             |           |
| External Interface  |                                                                                                                                                                                                        |                                             |                                             |           |
| Alarm Input         | 4 (Reservation)                                                                                                                                                                                        |                                             |                                             |           |
| Alarm Output        | 4 (Reservation)                                                                                                                                                                                        |                                             |                                             |           |
| Audio Input         | 1-ch(Reservation)                                                                                                                                                                                      |                                             |                                             |           |
| Audio Output        | 2-ch                                                                                                                                                                                                   |                                             |                                             |           |
| USB Interface       | 2*USB3.0                                                                                                                                                                                               |                                             |                                             |           |
| Serial Interface    | 1*RS-232, 1*RS485                                                                                                                                                                                      |                                             |                                             |           |
| Network Interface   | 2*RJ-45 , 10M/100M/1000M adaptive Ethernet Interfaces                                                                                                                                                  |                                             |                                             |           |
| General             |                                                                                                                                                                                                        |                                             |                                             |           |
| Dimensions          | 440mm(W)×340mm(D)×48mm(H)                                                                                                                                                                              |                                             |                                             |           |
| Weight              | 4kg                                                                                                                                                                                                    |                                             |                                             |           |
| Working Temperature | -10~55℃                                                                                                                                                                                                |                                             |                                             |           |
| Working Humidity    | 10% ~ 90%(No-condensing)                                                                                                                                                                               |                                             |                                             |           |
| Power Supply        | 100V ~ 240V AC; 50Hz/60Hz                                                                                                                                                                              |                                             |                                             |           |
| Consumption         | 60W                                                                                                                                                                                                    |                                             |                                             |           |



|    |                   |
|----|-------------------|
| 1  | HDMI OUT          |
| 2  | HDMI IN           |
| 3  | DVI IN            |
| 4  | ALM IN            |
| 5  | AUDIO IN/OUT      |
| 6  | RS485             |
| 7  | ALM OUT           |
| 8  | Network Interface |
| 9  | RS232             |
| 10 | LINE OUT          |
| 11 | USB 3.0           |
| 12 | AC Power Input    |
| 13 | Power Switch      |
| 14 | Grounding         |