

# 12-ch High Definition Video Decoder

ADU8812-E



## Features

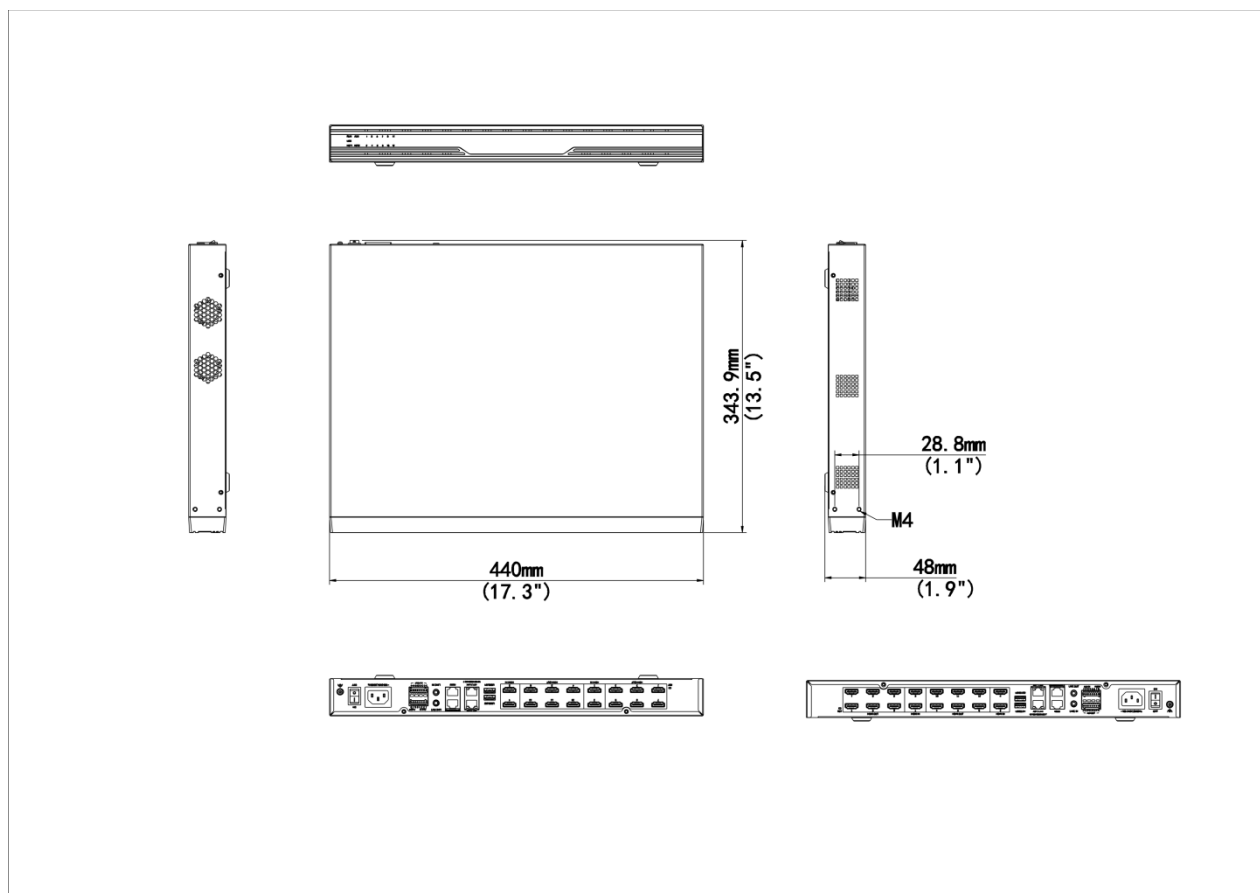
- Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses.
- HDMI supports up to 4K@60Hz input resolution.
- HDMI supports up to 4K@60Hz output resolution, compatible with mainstream display devices in the industry.
- Maximum decoding resolution of 32MP, up to 32\*1080P@30Hz decoding capability for each channel.
- Supports window opening, roaming, and picture-in-picture. Each output channel can open 36 windows on average.
- Supports multicast.
- Supports virtual LED subtitles.
- Supports small pixel pitch LEDs.
- Supports turning on/off video wall screens.
- Supports standard H.265, H.264, and MPEG4 image compression formats.
- Supports decoding audio in G.711A and G.711U formats.
- Self-developed decoding algorithm offers high decoding efficiency and clear images.
- Allows to configure and manage the device on a central server.
- Supports decoding SD and HD video.
- Supports local and remote upgrade.
- Supports decoding streams of multiple manufacturers such as Uniview, Hikvision, Dahua, etc.
- Supports up to 10 devices cascaded.

## Specifications

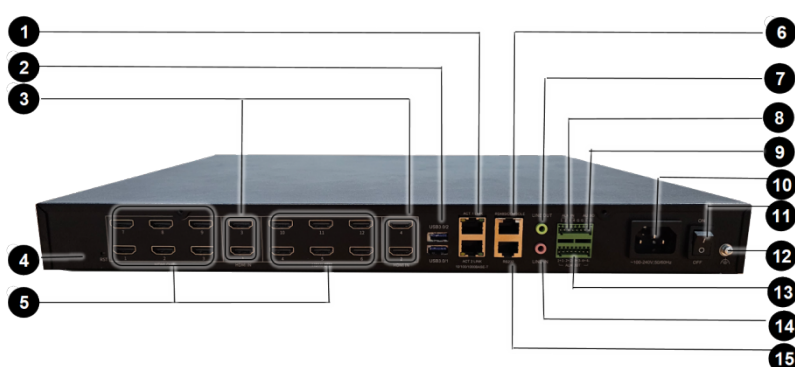
|                |            |
|----------------|------------|
| Model          | ADU8812-E  |
| Output         |            |
| Output Channel | 12-ch HDMI |

|                                     |   |
|-------------------------------------|---|
| Video Output Resolution             | All interfaces supports 3840 x 2160(4K)@60Hz, 3840 x 2160(4K)@30Hz, 1920 x 1200(WUXGA)@60Hz, 1920 x 1080(1080P)@60Hz, 1600 x 1200(UXGA)@60Hz, 1440 x 900(WXGA+)@60Hz, 1280 x 1024(SXGA)@60Hz, 1280 x 720(720P)@60Hz, 1024 x 768(XGA)@60Hz |
| <b>Input</b>                        |   |
| Input Channel                       | 4-ch HDMI (video only)  |
| Video Input Resolution              | All interfaces supports 3840 x 2160(4K)@60Hz, 3840 x 2160(4K)@30Hz, 1920 x 1200(WUXGA)@60Hz, 1920 x 1080(1080P)@60Hz, 1600 x 1200(UXGA)@60Hz, 1440 x 900(WXGA+)@60Hz, 1280 x 1024(SXGA)@60Hz, 1280 x 720(720P)@60Hz, 1024 x 768(XGA)@60Hz |
| <b>Decoding</b>                     |   |
| Decoding Format                     | H.265, H.264, MPEG4   |
| Decoding Capability                 | 4 x 8K@60Hz, 32 x 12MP@20Hz, 32 x 4K@30Hz, 128 x 1080P@30Hz, 256 x 720P@30Hz, 432 x D1@30Hz   |
| <b>Screen Control</b>               |   |
| Number of Windows                   | 36 x number of output channels  |
| Splicing                            | M x N (the number of windows cannot exceed the number of output channels)   |
| <b>Input Interface</b>              |   |
| Audio Input                         | 1 x terminal audio input (reserved)<br>1 x 3.5mm audio input (reserved)   |
| Alarm Input                         | 4 x terminal alarm input (reserved)   |
| <b>Output Interface</b>             |   |
| Audio Output                        | 1 x terminal audio output (reserved)<br>1 x 3.5mm audio output, dual channel  |
| Alarm Output                        | 4 x terminal alarm output (reserved)  |
| <b>Other Interfaces</b>             |   |
| Serial Port                         | 1 x RS232 serial interface (RJ45), 1 x RS232 Console (RJ45)/RS485 shared serial interface   |
| Network Interface                   | 2 x GE, RJ45 10M/100M/1000M Base-T self-adaptive half/full-duplex Ethernet interface  |
| USB                                 | 2 x USB 3.0   |
| <b>General</b>                      |   |
| Power Supply                        | 100V ~ 240 V AC; 50 Hz/60 Hz  |
| Max Power Consumption (W)           | 46.63   |
| Product Dimensions (W × H × D) (mm) | 440 x 343.9 x 48  |
| Weight (kg)                         | 3.773   |
| Operating Temperature               | -10 ~ 55°C  |
| Operating Humidity                  | 10% ~ 90% (No-condensing)   |

## Dimensions



## Interface



| No. | Interface          | Description   |
|-----|--------------------|---|
| 1   | Ethernet           | GE interface , RJ45 10M/100M/1000M Base -T self -adaptive half/full -duplex Ethernet interface  |
| 2   | USB3.0             | Upgrades the device   |
| 3   | HDMI IN            | HDMI input interface, receives video signal   |
| 4   | RST                | Short press ( $\leq 5s$ ): the alarm indicator is steady red, and the device restarts after you release the button;<br>Long press ( $> 5s$ ): the alarm indicator is blinking, and the device restores factory settings and restarts after you release the button |
| 5   | HDMI OUT           | HDMI output i nterface, outputs video signal to the HDMI-connected display devices  |
| 6   | RS485              | Serial interface, used as RS232 Console or RS485 for interactive control with external devices, power distribution box control, device maintenance, etc.  |
| 7   | LINE OUT           | Coaxial 3.5mm audio output interface  |
| 8   | ALM IN             | Phoenix terminal, alarm input interface, switch signal input (reserved)   |
| 9   | Audio              | Phoenix terminal, audio input/output interface (reserved)   |
| 10  | Power input        | Power input interface   |
| 11  | Power switch       | Turn on/off the device  |
| 12  | Grounding terminal | Grounding terminal  |
| 13  | ALM OUT            | Phoenix terminal, alarm output interface, relay output (reserved)   |
| 14  | LINE IN            | Coaxial 3.5mm audio input interface (reserved)  |
| 15  | RS232              | Serial interface, mainly used to turn on/off video wall screens   |

## Ordering Info

| Product Model | Description                         |
|---------------|-------------------------------------|
| ADU8812-E     | 12-ch High Definition Video Decoder |

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