DATASHEET

9-ch High Definition Video Decoder

ADU8809-E



Features

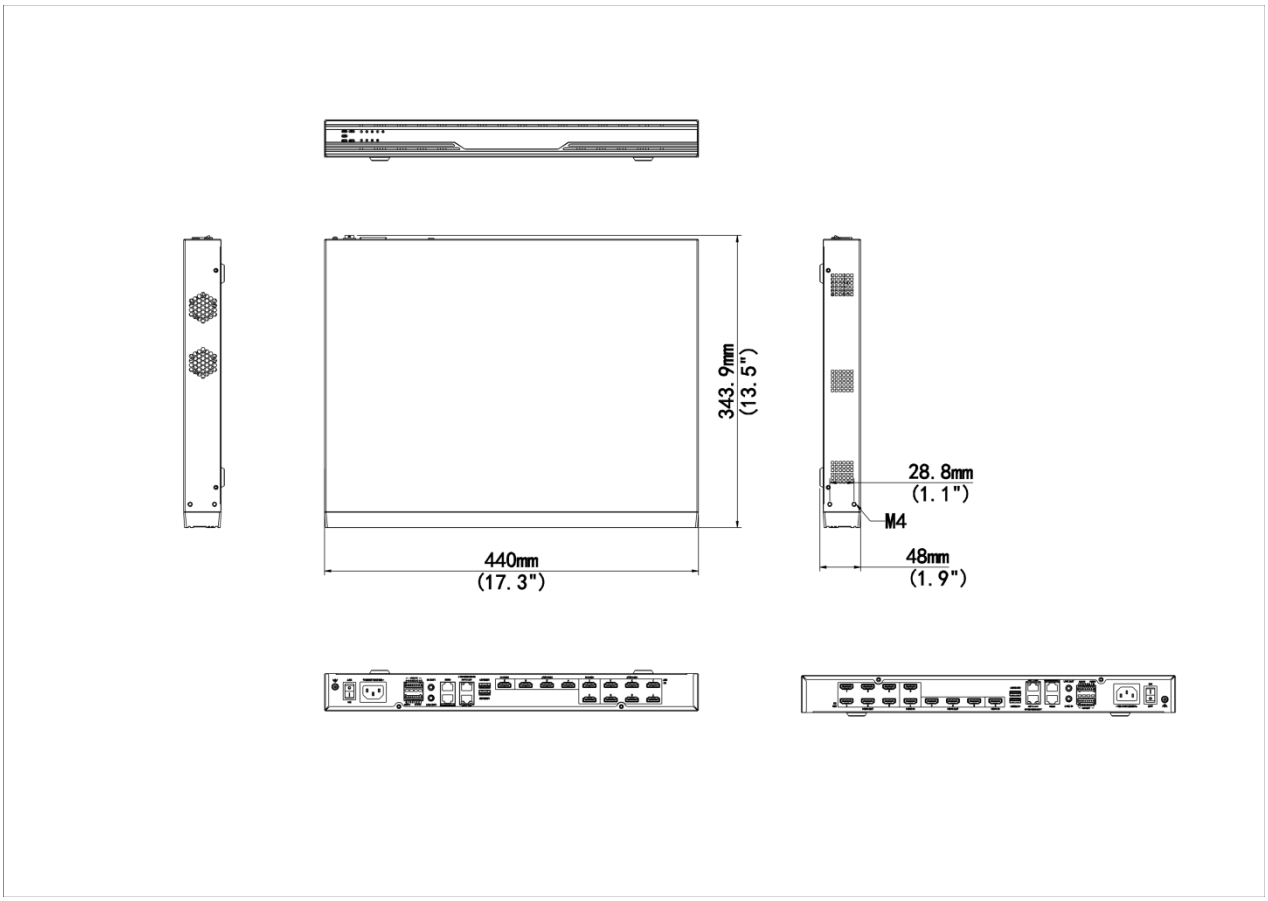
- Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses.
- HDMI supports up to 4K@60Hz input resolution.
- HDMI supports up to 4K@60Hz output resolution, compatible with mainstream display devices in the industry.
- Maximum decoding resolution of 32MP, up to 32*1080P@30Hz decoding 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

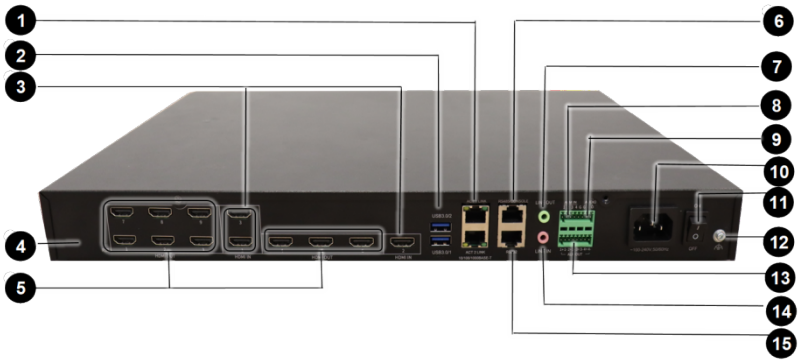
Model	ADU8809-E
Output	
Output Channel	9-ch HDMI

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
Input	
Input Channel	3-ch HDMI (video only)
Video Intput 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
Decoding	
Decoding Format	H.265, H.264, MPEG4
Decoding Capability	3 x 8K@60Hz, 24 x 12MP@20Hz, 24 x 4K@30Hz, 96 x 1080P@30Hz, 192 x 720P@30Hz, 324 x D1@30Hz
Screen Control	
Number of Windows	36 x number of output channels
Splicing	M x N (the number of windows cannot exceed the number of output channels)
Input Interface	
Audio Input	1 x terminal audio input (reserved) 1 x 3.5mm audio input (reserved)
Alarm Input	4 x terminal alarm input (reserved)
Output Interface	
Audio Output	1 x terminal audio output (reserved) 1 x 3.5mm audio output, dual channel
Alarm Output	4 x terminal alarm output (reserved)
Other Interfaces	
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
General	
Power Supply	100 V ～ 240 V AC; 50 Hz/60 Hz
Max Power Consumption (W)	34.76
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 (≤ 5s): the alarm indicator is steady red, and the device restarts after you release the button; 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
ADU8809-E	9-ch High Definition Video Decoder

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