

High Definition Video Decoder

ADU87XX-E-V3 Series



Key Features

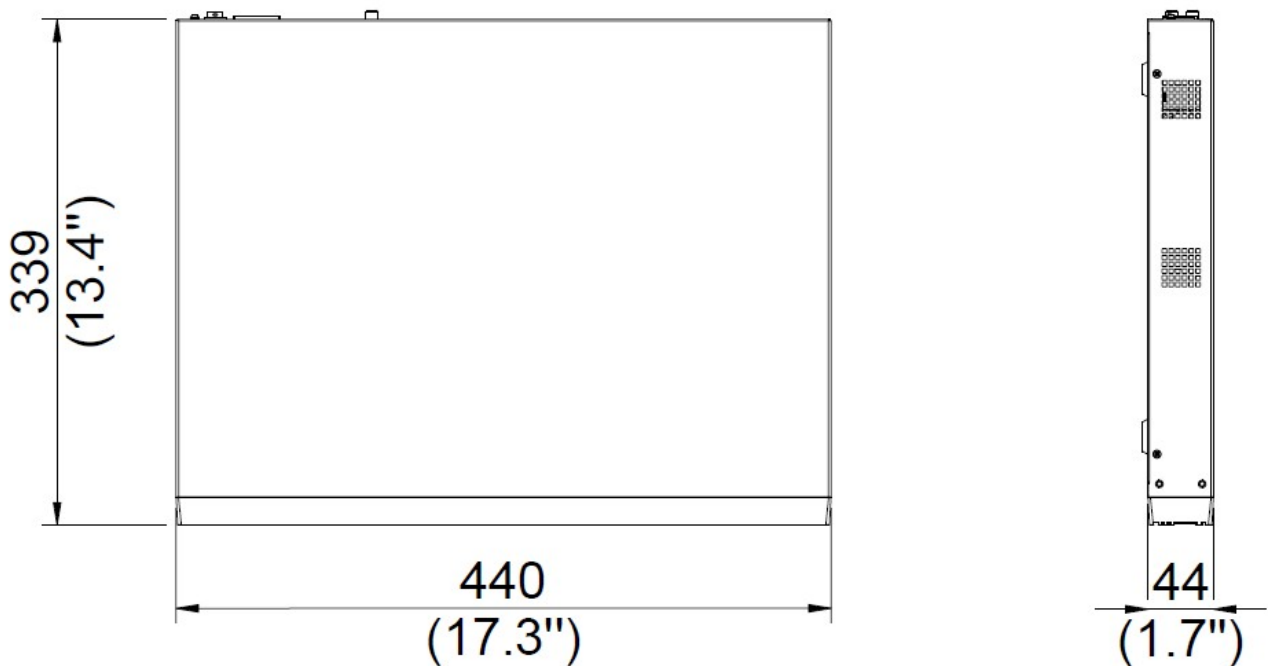
- Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses.
- HDMI video output interface.
- 4 HDMI inputs.
- Maximum decoding resolution of 12MP, up to 16*1080P@30Hz decoding capability for each channel.
- Up to 4K@30Hz output resolution, compatible with mainstream display devices in the industry.
- Supports window opening, roaming and picture-in-picture. Up to 36 windows are allowed for each output channel.
- Supports multicast.
- Supports virtual LEDs.
- Supports small pixel pitch LEDs.
- Supports turning on/off video wall screens.
- Supports standard H.265, H.264, 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 other manufacturers through onvif protocol.

Specifications

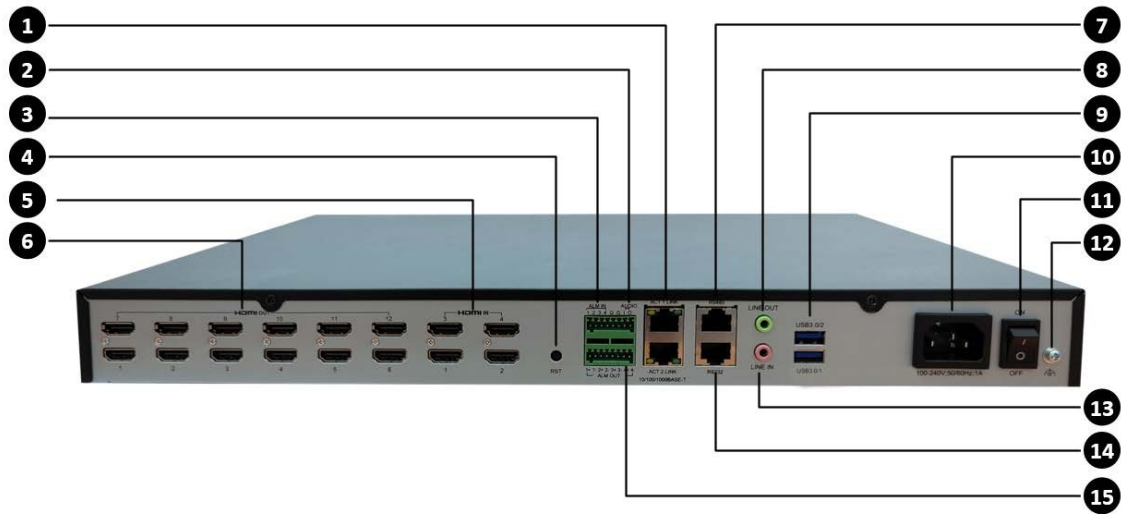
Model	ADU8706-E-V3		ADU8709-E-V3	ADU8712-E-V3
Input				
Input	4-ch HDMI (video only)			
HDMI input resolution	4K interface: 3840*2160(4K)@30Hz, 1920*1080(1080P)@60Hz, 1920*1080(1080P)@50Hz, 1920*1080(1080P)@30Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1280*720(720P)@50Hz, 1024*768(XGA)@60Hz(4K interface: 1, 2) 1080P interface: 1920*1080(1080P)@60Hz, 1920*1080(1080P)@50Hz, 1920*1080 (1080P) @30Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1280*720(720P)@50Hz, 1024*768(XGA)@60Hz(1080P interface: 3, 4)			
Output				
Output	6-ch HDMI	9-ch HDMI	12-ch HDMI	
HDMI output resolution	4K interface: 3840*2160(4K)@30Hz, 1920*1200(WUXGA)@60Hz, 1920*1080(1080P)@60Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA+)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1024*768(XGA)@60Hz(4K interface: 1, 2, 4, 5, 7, 8, 10, 11) 1080P interface: 1920*1200(WUXGA)@60Hz, 1920*1080(1080P)@60Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA+)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1024*768(XGA)@60Hz(1080P interface: 3, 6, 9, 12)			
Decoding				
Decoding format	H.265, H.264, MPEG4			
Decoding capability	8*12MP@20Hz 8*4K@30Hz 32*1080P@30Hz 72*720P@30Hz	12*12MP @20Hz 12*4K@30Hz 48*1080P@30Hz 108*720P@30Hz	16*12MP @20Hz 16*4K@30Hz 64*1080P@30Hz` 144*720P@30Hz	
Splicing	M*N (the number of windows cannot exceed the number of output channels)			
Windows	36* number of output channels			
Interface				
Audio input	1 * terminal audio input (reserved) 1 * 3.5mm audio input (reserved)			
Audio output	1 * terminal audio output (reserved) 1 * 3.5mm audio output, dual channel			
Alarm input	4 * terminal alarm input (reserved)			
Alarm output	4 * terminal alarm output (reserved)			

Serial port	1 * RS232, 1 * RS485		
Ethernet	2 * GE port, RJ45 interface, half-duplex/full-duplex Ethernet, 10M/100M/1000M Base-T adaptive		
USB	2 * USB3.0		
General			
Dimensions (W*H*D)(mm)	440 * 44 * 339		
Weight (kg)	3.83	3.9	3.95
Max. power consumption (W)	32	40	50
Power supply	100V to 240V AC; 50Hz/60Hz		
Operating temperature	-10°C to 55°C		
Operating humidity	10% to 90% RH, non-condensing		

Dimensions



Interfaces



No.	Name	Description
①	Ethernet	GE port, RJ45 interface, half-duplex/full-duplex Ethernet, 10M/100M/1000M Base-T adaptive
②	AUDIO	terminal, audio signal input/output (reserved)
③	ALM IN	terminal, alarm signal input, Boolean input (reserved)
④	RST	Reset key, press to restore the device to factory defaults
⑤	HDMI IN	HDMI video signal input
⑥	HDMI OUT	HDMI video signal output
⑦	RS485	Serial port, used as RS232 Console or RS485 for device maintenance or controlling power distribution boxes
⑧	LINE OUT	Coaxial 3.5mm audio output port
⑨	USB 3.0	Used to upgrade the device
⑩	Power input	Power input interface
⑪	Power switch	Turn on/off the device
⑫	Grounding terminal	Grounding terminal
⑬	LINE IN	Coaxial 3.5mm audio input port (reserved)
⑭	RS232	Serial port, mainly used to turn on/off video wall screens
⑮	ALM OUT	terminal, alarm signal output, relay output (reserved)



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