

AU-DME 9000

Single Channel H.264 Full HD Encoder



AU-DME 9000 can create a single H.264 channel on your building, campus or metropolitan-area IP network from the output of various video devices. These include video cameras, DVD/Blu-ray players, digital signal systems, personal computers and even set-top boxes for premium TV channels. Encoder blades are available for both SD and 1080P HD MPEG4 AVC encoding. It is equipped with the latest advances in video compression technology to deliver unsurpassed video quality at lowest bitrates, and low latency to achieve high image quality video and audio transmission, fully support for SDI/ HD-SDI, Composite, HDMI, YPbPr, S-Video interface inputs encoding, both IP and two identical ASI data outputs. It also can be used to support IPTV, broadcast and video surveillance applications.

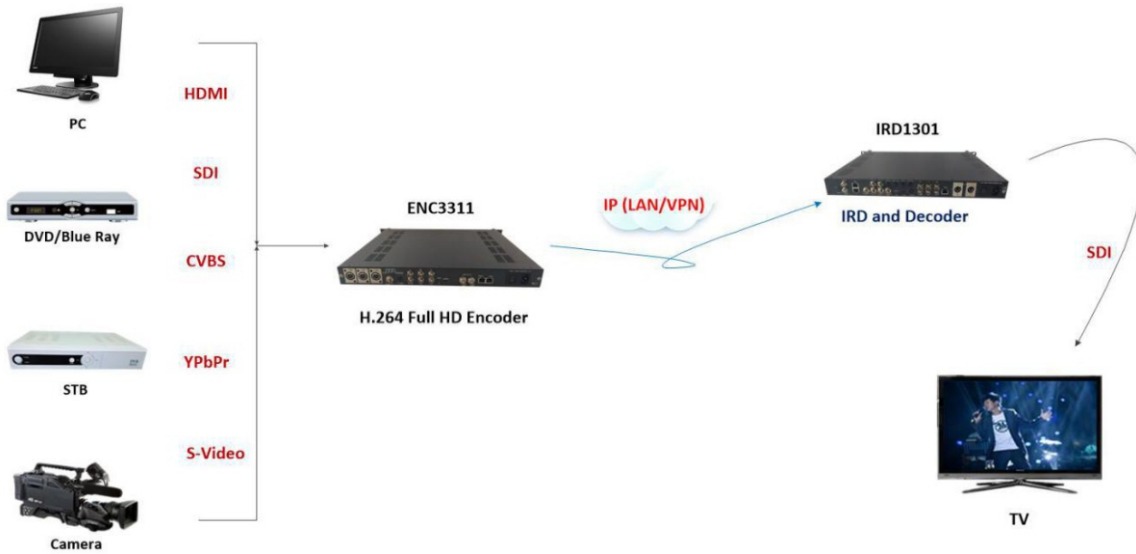
AU-DME 9000's highly bandwidth efficient MPEG-4 CBR encoding and native IP output make it possible to deliver exciting and competitive HD services to broadcast operators.

Features

- | Advanced MPEG-4 AVC HP@L4, MP@L3 video compression
- | ASIC technologies which offer broadcast, video quality, generally video bitrate advised: SD about 1.2mbps, 720p about 2mbps, 1080 about 6-8mbps for lowest bitrates
- | HDMI 1.3a interface, Auto detect the HDMI input of resolutions
- | Support the importation of SDI/HD-SDI, HDMI, CVBS, S-Video, YPbPr encoding
- | Audio sampling Rates: 48KHz
- | MPEG-1 Layer2, HE-AAC(V2) (option) or LC-AAC(option) audio encoding
- | Supports unicast and multicast IP output UDP protocol as well as two identical ASI outputs
- | Management via External SNMP and local front panel
- | Supports resolution: 1080P/i@50/60Hz, 720p@50/60Hz, 480i, 576i
- | Built-in time base correction and video pre-processing
- | Easy-to-Use System Management

Main Application

- | Digital TV and IPTV headend system
- | Point to Point video and audio over IP
- | Remote live Rebroadcasts and real-time transmission
- | Building, campus or metropolitan-area



TECHNICAL SPECIFICATIONS

Input

Video Input	1 x Composite level: 1.0Vp-p, Impedence,75Ω,BNC 1 x S-Video Analog Component Video Interface 1 x Digital SMPTE292M (HD-SDI) digital video, BNC 1xHDMI1.3a
AudiInput	1xYPbPrcomponentvideointerface, Connector:BNC 2analogstereoaudio,BNC interface(unbalanced) HDMI/SDEmbeddedaudio

Output

DVBInterface	Two identical ASI, Comply to EN 50083-9 ASI Standard, BNC, 75Ω
IP output	100M Base-T Ethernet UDP/IP output, Multicast/Unicast supported
Output Format	188 bytes, 7x188 bytes per UDP packet
Output Rate	0.8Mbps~20Mbps

Video Encoding

Comply to the International standard	MPEG-4 AVC High Profile, Level 4, Main profile Level 3.0
Aspect ratio	16:9 (HD), 4:3 (SD)
Bitrate mode	VBR, CBR
GOP Structure	IBBP
	Scene change detection Brightness/Contrast/Saturation/Chroma/Horizontal Offset

Audio Encoding

Sampling Rates	48KHz
Bit rate	64, 128, 192, 256, 384 kbps
Audio encoding	MPEG-1 Layer 2, HE-AAC (V2) (option) or LC-AAC (option)
Quantization	24bit
Audio Gain	0-16
	Stereo or single channel

Option

	OPT-AUDIO MPEG-1 Layer (default); AAC
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Resolution

	Accordanceto CCIR601 standard 1920x1080p/i, 1280x720p, 720x480i, 720x576
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Management

7keys	10/100BaseTEthernet,RJ45,SNMP Up,Down,Left,Right,Enter,Esc,Lock Front-panel LCD configuration, LED Indicate light SNMP protocols support
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Environment

Power Supply	Comply to GB 13837-92 & GB 8898-88 standard
Power consumption	AC 100-250V 50/60Hz 20W
Operation temperature	-10~50°C
Storage temperature	-10~75°C
Dimensions	300(L)X483(W)X44mm(H) (1RU)
Weight	5Kg