

UE-4101

MPEG-4 /H.264 SD Encoder & 4 Channel++ Multiplexer



Outline

The MPEG-4 AVC/H.264 encoder is a professional SD audio & video encoding and multiplexing device with powerful functionality. It has 4 channel CVBS video and unbalanced audio input interfaces, supporting MPEG-4 AVC/H.264 High Profile code format. This device can simultaneously encode 4 channel SD audio & video; moreover, it has an ASI input and can multiplex the input TS with the 4 encoded SPTS to generate a MPTS output. Also, the PSI/SI information can be inserted into MPTS output. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc. RFI filters included.

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Features

- H.264/AVC High Profile Level 3.0 video encoding support, advanced video pretreatment algorithm
- Audio MPEG1 Layer 2, AAC (optional)
- 4 CVBS video inputs
- 4 pairs of unbalanced stereo audio inputs
- 1 ASI input multiplexing support
- Multiplexed MPTS ASI output support
- Multiplexed MPTS over UDP unicast/multicast output
- PAL, NTSC SD video formats support
- LCD / keyboard operating
- Real-time effective output bit-rate monitoring
- NMS support

Specifications

Input	4×CVBS inputs , BNC interface	
	4 pairs unbalanced stereo audio inputs, BNC interface	
	1×ASI input, BNC interface	
Video	Resolution	720×480_60i, 720×576_50i
	Encoding	MPEG-4 AVC/H.264 High Profile Level 3.0
	Bit rate	0.8Mbps~20Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	IBBP
	Advanced Pretreatment	De-interlacing, noise reduction, sharpening
Audio	Encoding	MPEG-1 Layer 2 AAC(optional)
	Sampling rate	48KHz, 44.1KHz

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	Resolution	24 bit
	Bitrate	64Kb/s~384Kb/s (each channel)
Multiplexing		1 ASI input multiplexed with local 4 channels TS
Stream output		2 × ASI outputs, BNC interface
		MPTS over UDP, 10/100Base-T Ethernet interface (UDP unicast / multicast)
System function		LCD/keyboard operating, NMS support, English control interface
		Ethernet software upgrade
General	Dimensions (WxDxH)	482mm×455mm×44.5mm
	Approx weight	6Kg
	Temperature range	0~45°C (Operation), -20~80°C (Storage)
	Power requirements	AC 110V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Power consumption	17.6W

EC



CE

Certification of Conformity

