

Sola-Sat Encoder Series

MPEG-2 IP Encoder ESDMP-2



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Outline

MPEG-2 Encoder (with SDI) is a professional audio & video encoding device with powerful function. This device can support a variety of analog and digital audio and video input interface, say, the video input interfaces include the CVBS, S-Video and SDI , and audio input interfaces include the balanced and unbalanced analog input interface, the analog audio input interface(XLR) and digital audio input interfaces(AES/EBU). Moreover, this encoder can encode the SD audio & video which format is MPEG-2. In conclusion, its high compatibility and excellent encoding quality makes this device widely be used in a variety of digital broadcasting system.

Features

- MPEG-2 MP@ML(4:2:0) video encoding, advanced video pre-processing algorithms
- MPEG1 Audio Layer 2
- Supports Composite, S-Video analog video input
- Supports SD-SDI digital video input
- Supports balanced and unbalanced analog audio inputs
- Supports AES/EBU, SD-SDI digital audio input
- Supports PAL, NTSC SD video formats
- Supports D1,HD1,2/3D1,3/4D1 Resolutions
- TS over UDP unicast/multicast output
- LCD / keyboard, network management

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Specifications

input	Video	Analog composite video(CVBS), BNC interface
		S-Video interface
		SD-SDI, BNC interface
	Audio	Analog stereo audio(balanced), XLR interface
		Analog stereo audio(unbalanced), BNC interface
		AES / EBU digital audio, XLR interface
		SD-SDI embedded audio
	Video	Resolution
544x480_60i, 544x576_50i(3/4D1)		
352x480_60i, 352x576_50i(HD1)		
480x480_60i, 480x576_50i(2/3D1)		
Encoding		MPEG-2 MP@ML(4:2:0)
Bit-rate		0.8Mbps~20Mbps
Rate Control		CBR/VBR
GOP Structure	IBBP	
Advanced Pretreatment	De-interlacing, noise reduction, sharpening	
Audio	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz、44.1KHz、32KHz
	Resolution	24-bit
	Bitrate	64Kb/s—384Kb/s
Stream output		2-way ASI output, BNC interface

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		SPTS over UDP,10/100Base-T Ethernet interface (UDP unicast / multicast)
System function		LCD/keyboard, network management, Chinese and English language
		Ethernet software upgrade
General	Dimensions (WxDxH)	482mm×455mm×44.5mm
	Temperature range	0~45°C (operation), -20~80°C (storage)
	Power Requirements	AC 110V±10%,50/60Hz or AC 220V±10%,50/60Hz