

# SOLA-SAT EHDMP-4

## Single AVC/H.264 HD Encoder



### Outline

The **EHDMP-4** single AVC/H.264 HD Encoder is the new generation broadcasting, audio and video encoding device. It has adopted the most advanced AVC/H.264 audio encoding algorithm, and combines it with state of the art audio and video pre-dealing technology. This device can encode and transmit high-quality audio & video with a low bit-rate. It has several analog and digital video input interfaces (CVBS, YPbPr, SDI, and HDMI), and audio input interfaces (RCA, XLR, HDMI, AES and EUB). Its high integration and cost effective design gives users an excellent digital video encoding solution, and makes it widely used in DMB-T international modulator group net, terrestrial digital TV and image monitoring etc.

## Features

1. H.264/AVC High Profile Level 4.0 and H.264/AVC High Profile Level 3.0 encoding support, advanced video pre-processing algorithms
2. MPEG1 Audio Layer 2
3. CVBS, S-Video, YPbPr analog video input support
4. HDMI, HD/SD-SDI digital video input support
5. AES/EBU, HDMI, HD/SD-SDI digital audio input support
6. XLR (balance), RCA (unbalance) analog audio input support
7. UDP media transmission protocols & unicast/multicast output support
8. PAL, NTSC SD video format support
9. 720P, 1080I HD video format support
10. LCD / keyboard operating
11. NMS support

## Specifications

<b>Video input</b>		1 x Analog CVBS, BNC interface	
		1 xS-Video Analog YPbPr input, BNC interface	
		1 x YPbPr video input, BNC interface	
		HD/SD-SDI, BNC interface	
		HDMI interface	
<b>Audio input</b>		Analog stereo audio(balanced), XLR interface	
		Analog stereo audio(unbalanced), BNC interface	
		AES / EBU digital audio, XLR interface	
		HD/SD-SDI embedded audio	
<b>Video</b>	Resolution	1920x1080_60i, 1920x1080_50i, 1280x720_60p, 1280x720_50p 720x480_60i(NTSC), 720x576_50i(PAL)	
		Encoding	AVC/H.264 High Profile Level 4.0 for HD
			AVC/H.264 High Profile Level 3.0 for SD
	Bit-rate	0.8Mbps~20Mbps	
	Rate Control	CBR/VBR	
	GOP Structure	IBBP	
	Advanced Pretreatment	De-interlacing, noise reduction, sharpening	

<b>Audio</b>	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Resolution	24-bit
	Bit-rate	64Kb/s~384Kb/s
<b>Stream output</b>		2xASI outputs, BNC interface
		SPTS over UDP, 10/100Base-T Ethernet interface (UDP unicast / multicast)
<b>System function</b>		LCD/keyboard operating, NMS support
		English Language control interface
		Ethernet software upgrade
<b>General</b>	Dimensions (W x D x H)	482mmx455mmx44.5mm
	Approx weight	4.5Kg
	Temperature range	0~45°C (Operation), -20~80°C (Storage)
	Power requirement	AC110V±10%, 50/60Hz
		AC 220V±10%,50/60Hz
Power consumption	17.6W	