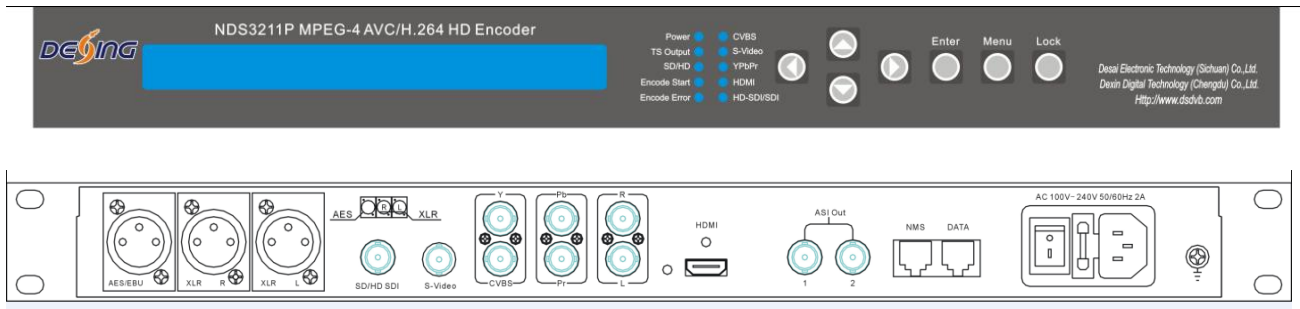# Encoder Series

NDS3211P MPEG-4 AVC/H.264 HD Encoder

Outline

NDS3211P MPEG4 AVC/H.264 HD Encoder is the new broadcasting audio and video encoding device. It adopts the most advanced AVC/H.264 audio encoding algorithm, and combines with our company's advanced audio and video pre-dealing technology. This device can encode and transmit high-quality audio & video under the low bit-rate. Also, it has several analog and digital video input interfaces (CVBS, YPbPr, SDI, and HDMI), and audio input interfaces (RCA, XLR, HDMI, AES and EBU). Its high integrate and cost effective design gives users 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

- AVC/H.264 High Profile Level 4.0 high profile level video encoding, advanced video pretreatment technology
- MPEG-1 Audio Layer2 audio encoding (HE_AAC(v2) and LC-AAC audio encoding are optional, as per customer's order)
- UDP/RTP media transmission protocols & unicast/multicast output support

Encoder Series

NDS3211P MPEG-4 AVC/H.264 HD Encoder

- CVBS,S-VIDEO and YPbPr analog video input interfaces

- HDMI and SDI digital video input

- XLR, RCA analog audio input

- AES/EBU digital audio input

- PAL and NTSC SD video formats

- 720P and 1080I HD video formats

- LCD/keyboard control method

- NMS for remote control

Specifications

Video input		1 × Analog CVBS, BNC interface
		1 ×S-Video input, BNC interface
		1 × YPbPr video input, BNC interface
		HD/SD-SDI, BNC interface
		HDMI interface
Audio input		Analog stereo audio(balanced), XLR interface
		Analog stereo audio(unbalanced), BNC interface
		AES / EBU digital audio, XLR interface
		HD/SD-SDI embedded audio
Video	Resolution	1920×1080_60i, 1920×1080_50i, 1920x1080_60p，1920x1080_50p
		1280×720_60p, 1280×720_50p
		720×480_60i(NTSC), 720×576_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

Encoder Series

NDS3211P MPEG-4 AVC/H.264 HD Encoder

Audio	Encoding	MPEG-1 Layer 2 (HE_AAC(v2) and LC-AAC audio encoding are optional, as per customer's order)
	Sampling rate	48KHz
	Bit-rate	64Kb/s~384Kb/s
Stream output		2×ASI outputs, BNC interface
		SPTS over UDP/RTP, 10/100Base-T Ethernet interface (UDP/RTP unicast / multicast)
System function		LCD/keyboard operating, NMS support
		Chinese-English control interface
		Ethernet software upgrade
General	Dimensions	482mm×455mm×44.5mm (W × D × H)
	Approx weight	8Kg
	Temperature range	0~45℃(Operation), -20~80℃(Storage)
	Power requirement	AC110V±10%, 50/60Hz; AC 220V±10%,50/60Hz
	Power Consumption	17.6W

Principle Chart