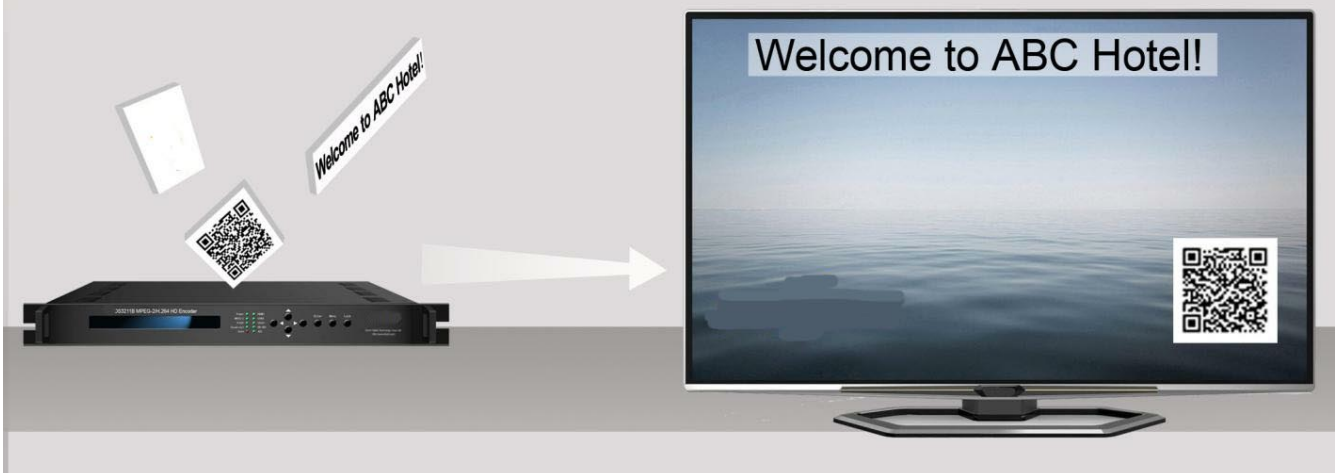# EuroCaster

EC3211HV

H.264/HEVC HD Encoder

OSD (Logo/PPT/Caption/QR Code) Insertion

Welcome to ABC Hotel!

Outline

NDS3211HV H.264/HEVC HD Encoder is the new broadcasting audio & video encoding device with powerful functionality. It is equipped with multiple video input interfaces (HDMI, HD-SDI) and audio input interfaces (HDMI, SDI, AES, RCA and XLR) to make it possible to compatible with different signal sources.
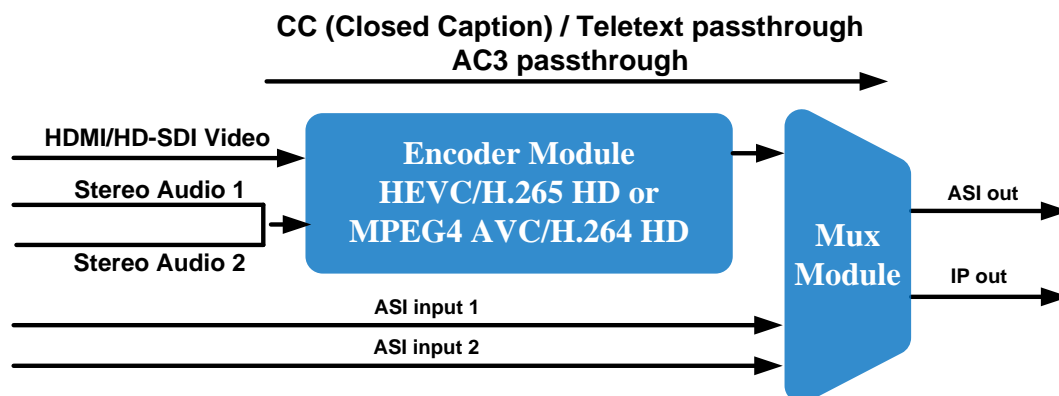
Multiple audio and video encoding formats are available to meet customers' various requirements. It supports 2 stereo (4 mono) to mix with the video to form a stream output. The encoded program will finally output in TS through ASI/IP port.

NDS3211HV is also featured with OSD (QR code, LOGO and Caption) insertion function and can display multiple elements at same time. Operator can insert advertisement picture, own LOGO, special QR code, Text content in encoding process independent of STB. It will bring more profit for product user.

Key Features

- **Support HDMI or HD-SDI input**
- **Support OSD (QR code, LOGO and Caption) insertion**
- **HEVC/H.265 HD (with B frame to ensure high video compression ratio and bitrate stability) and MPEG-4 AVC/H.264 HD video encoding**
- **MPEG1 Layer II, HE-AAC (v1&v2), LC-AAC Audio encoding, DD AC3 audio pass through**
- **Support 2 stereos or 4 mono audio encoding**
- **Support 2 ASI input for re-mux**
- **Support ASI output and IP over UDP /RTP/RTSP output**
- **Support CC (closed caption) and Teletext**
- **LCD / keyboard control and web management**

Inner Principle Chart

Specifications

Video	Interface	1×HDMI, 1×HD-SDI		
	Resolution	**Input**	**Output**	
			MPEG-4 AVC/H.264 HD	HEVC/H.265 HD
		1920×1080p@60/59.94	1920×1080p@60/59.94	1920×1080p@60/59.94
		1920×1080p@50	1920×1080p@50	1920×1080p@50
		1920×1080i@60/59.94	1920×1080i@60 1920×1080p@60/30	1920×1080p@60
		1920×1080i @50	1920×1080i@50 1920×1080p@50/25	1920×1080p@50
		1280×720p@60/59.94	1280×720p@60/59.94	1280×720p@60/59.94
		1280×720p@50	1280×720p@50	1280×720p@50
	Encoding	HEVC/H.265 HD; MPEG-4 AVC/H.264 HD		
	Bitrate Range	HEVC/H.265: 0.5 – 20.00 Mbps MPEG-4 AVC/H.264: 4 – 20.00 Mbps		
	Rate Control	CBR/VBR		
	GOP Structure	IPPP, IBBP		
	Chroma	4:2:0		
Audio	Interface	2×XLR, 2×AES, 2×RCA, 1×SDI (support maximum 2 stereos synchronous processing), 1×HDMI,		
	Encoding	MPEG-1 Layer II, HE-AAC (v1&v2), LC-AAC, DD AC3 passthrough		
	Sampling rate	48KHz		
	Bit-rate	48Kbps~384Kbps		
Stream Input		2 ASI Input for remux		
Stream output		2×ASI output ports, BNC interface		
		1 IP (MPTS) over UDP / RTP /RTSP, 1000 Base-T Ethernet interface*2 with independent IP addresses (multicast/unicast)		
System function		LCD/keyboard and web management		
		Language: English		
		Ethernet software upgrade		
General	Dimensions	482mm×405mm×44.5mm (W × D × H)		
	Temperature	0~45℃(Operation), -20~80℃(Storage)		
	Power	AC110V±10%, 50/60Hz; AC 220V±10%,50/60Hz		
	Consumption	15W		