

INGRON2201EH MPEG-4 AVC/H.264 HD Encoder



Features

- Advanced video compression: H.264/AVC high profile level 4.0
- Full 1080P Video Compression
- Video input interface: HDMI(HDCP Support), SD/HD-SDI, CVBS, YPbPr, S-Video
- Audio input interface: XLR, RCA, AES/EBU, HDMI, SDI
- Providing ASI and IP (UDP/RTP) output
- Equipped with empty packets filtering of IP out
- Multi-pass LookAhead CBR or VBR encoding
- Built-in PCR capability
- SNMP software remote control and centralized management

Specifications

Video Compression

Video Compression	H.264/AVC high profile level 4.0/3.0
Video Input	HDMI(support HDCP protocol), SD/HD-SDI, CVBS, YPbPr, S-Video
Analog Video Input	PAL, NTSC
Resolution	NTSC / 1920*1080_60P, 1920*1080_60i, 1280*720_60P, 720*480_60i; PAL /1920*1080_50P, 1920*1080_50i, 1280*720_50P, 720*480_60i
Bit-rate	0.8~20Mbps, CBR/VBR
GOP	IBBP
Video Pre-processing	De-Interlacing, Noise Reduction, Sharpen

Audio Compression

Audio Compression	MPEG-1 Layer II(default), (MPEG-2/4 LC-AAC, HE-AAC(V2) optional)
Digital Audio Input	HDMI, SD/HD-SDI, AES/EBU
Analog Audio Input	XLR, RCA
Sampling Rate	48 KHz
Sampling Accuracy	24-bit
Bit-Rate	32Kbps~384Kbps

Input

Video	1*HDMI; 1*HD/SD-SDI, 1* CVBS, 1*YPbPr, 1*S-Video, BNC interface
Audio	1*AES/EBU, 1*balanced stereo XLR; 1* unbalanced stereo L/R; 1*HDMI, 1*HD/SD-SDI

Output

ASI Output	Number	1*ASI+1*ASI(backup)
	Standard	EN 50083-9 ASI
	MPEG Frame	188/204 byte
	Reflection Loss	>10 dB
	Connector Type	75Ω, BNC interface

IP Output	Transport Protocol	TS over IP output, UDP&RTP protocol
	IP Output Channel	1*SPTS
	Connector Type	RJ45, 10/100 Base-T Ethernet interface
	Support empty packets filtering	

Management

Local Control	LCD and keyboard on front panel
Remote Control	by SNMP
Upgrading	Ethernet software upgrade
Language	English

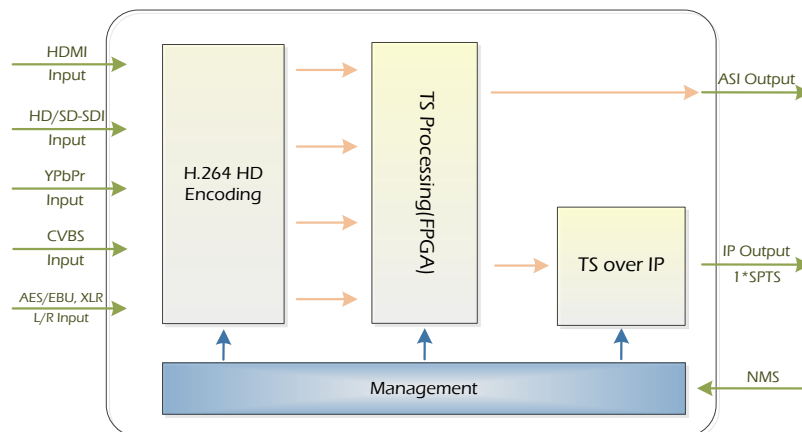
General

Voltage	110~220V AC, 50/60 Hz
Power Consumption	17.6 W
Environment	0~45°C (Operation), -20~80°C (Storage)
Dimensions(W*D*H)	482*405*44.5 mm
Gross Weight	6.0 KGS

Introductions

INGRON2201EH MPEG4 AVC/H.264 HD Single-Channel Encoder adopts the most advanced MPEG-4 AVC/H.264 video encoding algorithm, combining with our advanced audio and video pre-processing technologies. Input with analog and digital video signals by diversified interfaces, HDMI, HD/SD-SDI, YPbPr, and S-Video, this device can encode and transmit high-quality audio & video in low bit-rate. Meanwhile, it accepts audio by interfaces of XLR, HDMI, HD/SD-SDI, AES/EBU, and RCA. Its high-integration and cost-effective design offers an excellent digital video encoding solution to operators, and makes it widely used in digital TV head-end system, broadcasting, distribution and contribution systems.

Diagram



Rear Panel



Options

	REH2201	REH2301
Encoding Standard	H.264 HD	MPEG-2(4:2:2) / H.264 HD
Audio Channel QTY.	One Channel	Two Channels
Max. Video Resolution	1080P	720P