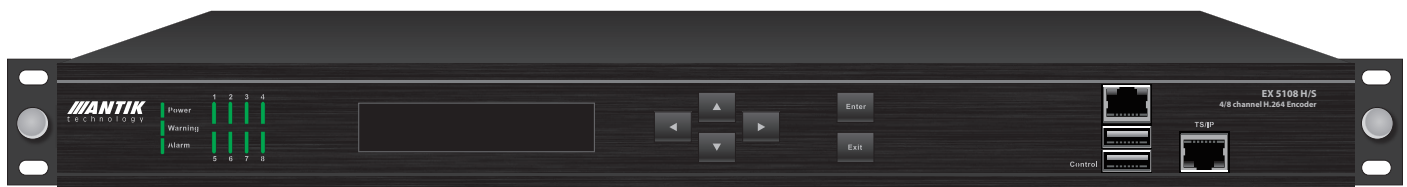


Antik HDMI Encoder

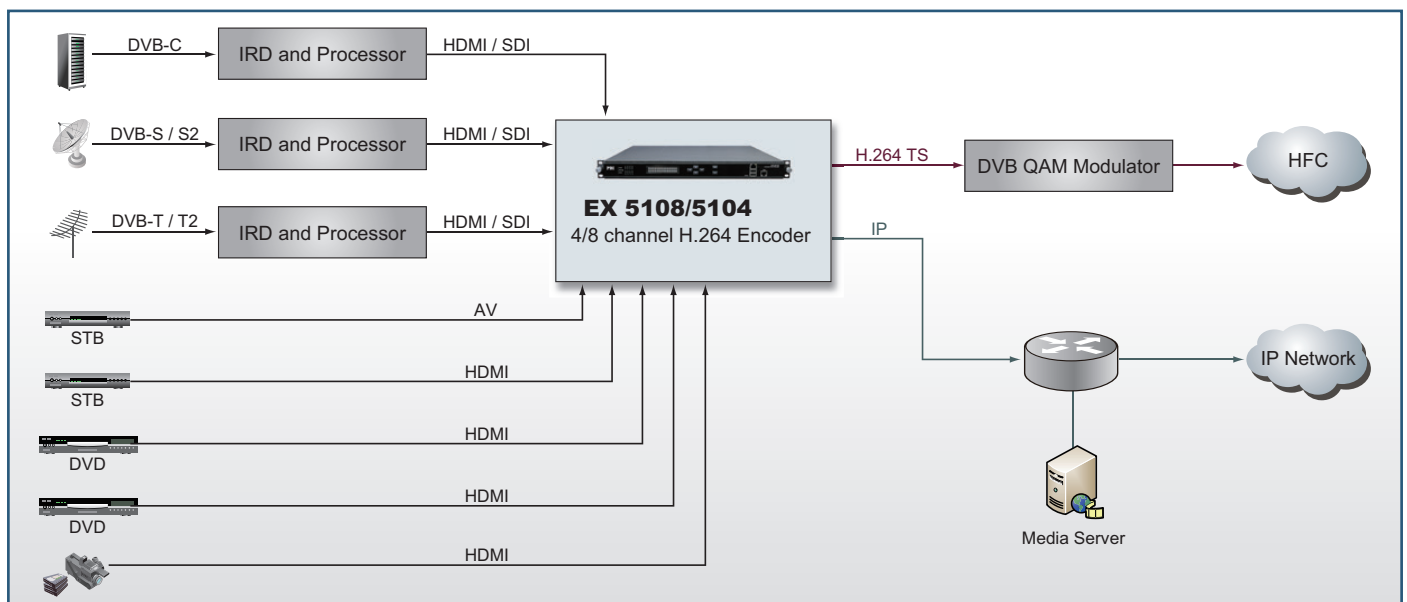
EX5108 / EX 5104 Encoder 8x / 4x (HDMI / SDI / CVBS) Encoder for Multicast / OTT IPTV

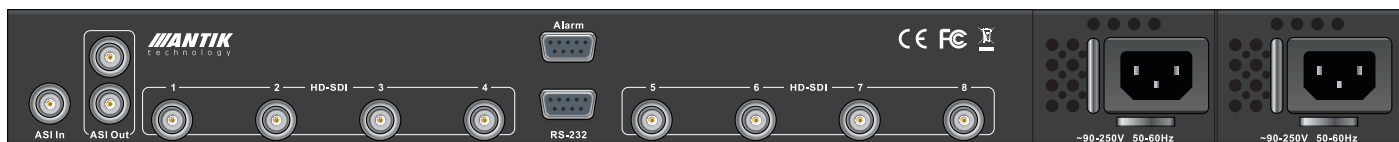
EX5108/EX5104 is a series of high density real-time H.264 HD/SD Encoders that can support up to eight High Definition (HD) A/V signals compressing and encoding simultaneously. These A/V signals can be fed into the unit via 8x HDMI or 8x SDI input ports as different factory options. The encoded streams can be then remultiplexed and output over its GbE IP and ASI ports. All models support Time Base Correction (TBC) to ensure the audio and video synchronisation, the features necessary for the professional TV signal flow. The series provide two TS/IP operation modes. The first is "Full Duplex", which allows one MPTS or SPTS inputted over 1 multicast/unicast to make up a new MPTS with local encoders, then sends out the new one over 1 multicast/unicast. In the second mode "Multiple output" which delivers up to 9 streams over IP. There are 8 un-stuffed SPTS (lower bit rate but less PCR accurate than normal SPTS, from local encoders) and 1 MPTS (from internal reMultiplexer) over the IP with different Unicast or Multicast IP addresses. EX5108/EX5104 allows user to configure, monitoring and manage over the informative front panel and keypad, or Web interface, or SNMP based management software from 3rd party. This Encoder family presents brilliant picture quality, high density design, high stability system architecture, and the hot-swappable power supply.



Key Features

- H.264/AVC HP@L4.0 Encoder
- MPEG1 Layer II, MPEG2 AAC-LC, MPEG4
- AAC-LC audio compression
- 4/8 channels real time encoder with re-multiplexed integrated
- Built-in re-Mux accepts up to 10 SPTS / MPTS
- ASI input & Redundant ASI output
- Full duplex Gigabit TS over IP I/O
- Up to 9 multicast/unicast output
- VBR and CBR encoding mode
- Free resolution downscale at same frame rate
- SNMP & HTTP WEB
- Redundant Power Supplies

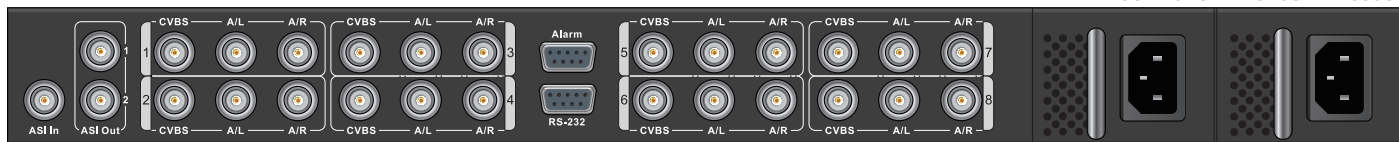




Back Panel EX 5108S Encoder



Back Panel EX 5108H Encoder



Back Panel EX 5108AV Encoder

Model		EX5108H	EX5104H	EX5108S	EX5104S	EX5108AV
Input	HDMI	x8	x4			
	HD-SDI (BNC)			x8	x4	
	ASI (BNC)	•	•	•	•	•
	AV (BNC)					8x
	TS/IP (under full duplex mode)	•	•	•	•	•
Output	2x ASI (1x Backup)	•	•	•	•	•
	TS/IP (GbE)	•	•	•	•	•
AAC-LC Audio		•	•	•	•	

Specification

Video input & compression

- **Number of input ports** HDMI x 4/8 or HD-SDI x 4/8
- **Compression Standard** H.264/AVC HP@ L4.0
- **Video Sampling Format** 4:2:0, 8-bit, YCbCr
- **Video Encoding Bit Rate** 2~30Mbps for each channel
- **Video Resolution & Recommended Bit Rate**
 - 1080p (1920×1080) @ 59.94 Hz, 50Hz: SMPTE296M: 6~30Mb/s
 - 1080 (1920×1080) @25Hz, 29.97Hz, 30Hz: SMPTE274M: 6~24Mb/s
 - 1080i (1440×1080) @25Hz, 29.97Hz, 30Hz: SMPTE274M: 5~24Mb/s
 - 720p (1280×720) @50Hz, 59.94Hz, 60Hz: SMPTE296M: 4~24Mb/s
 - 480i (720×480) @29.97Hz: SMP-TE656M: 2~10Mb/s
 - 576i (720×576) @25Hz: SMPTE656M: 2~10Mb/s
- **Other Video Resolution** Free resolution downscale at same frame rate
- **Aspect Ratio** 4:3/16:9 Selectable

DVB-ASI Input

- **Interface** BNC Female, 75Ω
- **Maximum Input Bit Rate** 100 Mb/s
- **Data Transfer type** Byte
- **Packet Length** 188 or 204 Bytes
- **Signal Level** 200 ~ 880mVp-p

DVB-ASI Output

- **Interface** BNC Female, 75Ω
- **Maximum Input Bit Rate** 120 Mb/s
- **Data Transfer type** Byte
- **Packet Length** 188 or 204 Bytes
- **Signal Level** 800 ± 80mV

Gigabit TS_over_IP (Full Duplex Mode)

- **Standard** IEEE 802.3, 10/100/1000 Base-T, Full Duplex
- **Max. Effective Bit Rate** 80Mb/s
- **Data Protocol** UDP or RTP, SPTS or MPTS
- **Control Protocol** ICMP, ARP, IGMPv2

Gigabit TS_over_IP Output (Multi-Channel IPTV Mode)

- **Standard** IEEE 802.3, 10/100/1000 Base-T
- **Max. Effective Bit Rate** 200Mb/s
- **Data Protocol** UDP or RTP, SPTS or MPTS
- **Control Protocol** ICMP, ARP, IGMPv2

Rear Panel

- **ASI In** 1×BNC Female, 75Ω
- **HD-SDI In** 8×BNC Female, 75Ω (DXP-5800/5801EC-S)
- **HDMI In** 8×HDMI Male, 75Ω (DXP-5800/5801EC-H)
- **ASI Out** 2×BNC Female, 75Ω (1 Backup)

Front Panel

- **Control** 1×RJ-45, 10/100 Base-T
- **TS/IP** 1×IP (GbE), RJ-45, 10/100/1000 Base-T
- **Display** 2×20 LCD Display

Audio Input & compression

- **Input** HDMI or SDI Embedded audio
- **Audio Compression** MPEG1 Layer II, MPEG2 AAC-LC, MPEG4 AAC-LC (option)
- **Sampling Rate** 48KHz
- **Compression Bit Rate** 32~192Kbps(-Mono), 64~384Kbps (Stereo), 128~512Kbps(AAC LC)

Others

- **Power Supply** AC90~260V 50/60Hz
- **Operating Temperature** 0~45°C
- **Storage Temperature** -10~60°C
- **Operation Humidity** 10~90%, (Non-condensed)