

NDS3218A 8 in 1 MPEG-4 HD Encoder



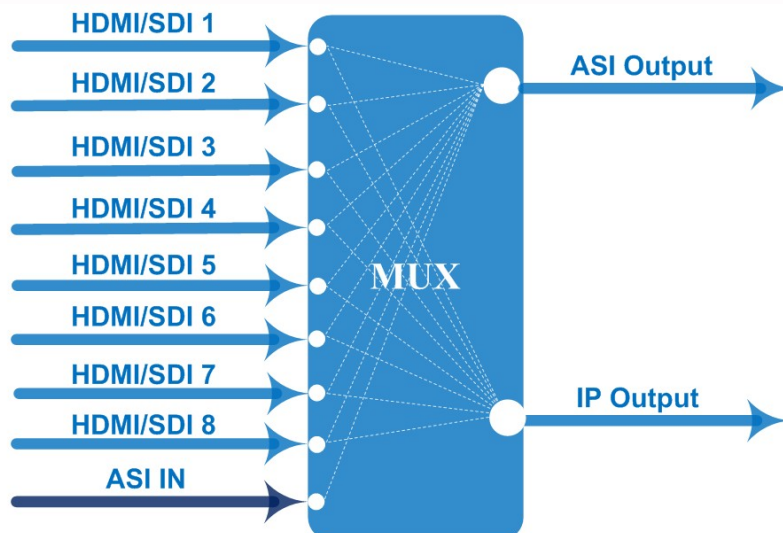
Product Overview

NDS3218A 8-in-1 MPEG-4 AVC/H.264 HD encoder is our newest professional HD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8 HDMI channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format and 1 ASI input. It can multiplex the ASI input TS and the 8 encoded SPTS to generate a MPTS output with the inserted PSI/SI information. In conclusion, its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Features

- Support 8 HDMI channels input & 1 ASI Input
- Support H.264/AVC high profile level 4.0 video encoding
- Support MPEG1 Layer 2 (HE-AAC (V2), AAC-LC optional) audio encoding
- Support PSI/SI editing and inserting
- Support VBR/CBR video bitrate mode
- Support MPTS or 8 SPTS UDP IP Output
- Support IP null packet filter
- Real-time output bit-rate monitoring
- LCD / keyboard and SNMP control
- Update device through NMS port

Principle Chart



Specifications

Input	8×HDMI inputs	
1 ASI input, BNC interface		
Video	Resolution	1920×1080_60P, 1920×1080_50P
	1920×1080_60i, 1920×1080_50i	
	1280×720_60P, 1280×720_50P	
	720×576_50i, 720×480_60i	
Encoding	MPEG-4 AVC/H.264	
Bit-rate	0.8Mbps~19Mbps (each channel)	
Rate Control	CBR/VBR	
Advanced Pretreatment	De-interlacing, Noise Reduction, Sharpening	
Audio	Encoding	MPEG-1 Layer 2, HE-AAC (V2), AAC-LC
	Sampling rate	48KHz
Bit-rate	64Kbps~384Kbps each channel	
Multiplexing	1 ASI input multiplexed with local 8 channels of TS	
Stream output	2*ASI output, BNC interface	
MPTS over UDP, 1000 Base-T Ethernet interface (UDP unicast / multicast); 8 SPTS (optional)		
System function	LCD/keyboard operating, NMS supporting	
Chinese-English control interface		
Ethernet software & hardware upgrade		