



NDS3211C

4K Encoder



Up to 2160P 60Hz RGB/YCbCr 4:4:4

H.265 HEVC/H.264 AVC

Video Resolution Upscale/Downscale Transform

HDCP 2.2 and HDCP 1.4

HDMI 2.0

Product Overview

NDS3211C is a newest professional 4K Encoder designed by Dexin. It is equipped with two HDMI (2.0) channel UHD signal input (hot redundancy) supporting H.265/HEVC and H.264/AVC video encoding format and MPEG1 Layer 2, LC –AAC audio encoding and DD AC3 passthrough audio encoding. It can output 1 encoded TS through 4 ASI output ports and 4 MPTS output through GE output port.

Key Features

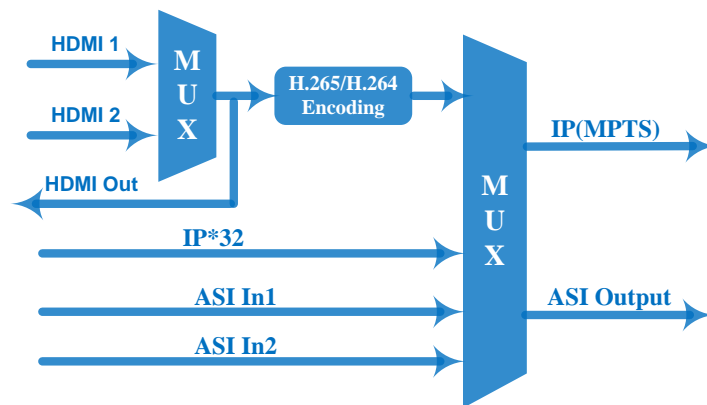
- Support 2 **HDMI 2.0** input (hot redundancy) and 1 HDMI 2.0 (Loop out) output
- Support **HDCP 2.2** and HDCP 1.4
- Support 2 ASI & 32 IP input (MPTS/SPTS) over UDP and RTP protocol
- Support up to **2160P 60Hz RGB/YCbCr 4:4:4** input
- Support video **resolution upscale or downscale transform**
(1080P and 4K convert to each other)
- Support **H.265/HEVC** and H.264/AVC video encoding
- Support **Logo, Caption, QR code** insertion
- Support CBR video bitrate mode
- Support MPEG1 Layer 2, LC –AAC audio encoding
- Support IP (1000M/100M) Output 1 MPTS over UDP and RTP; IP null packet filter
- Support 1 TS output through 4 ASI output ports
- Real-time output bit-rate monitoring
- Update device through web based NMS port
- Support LCD / keyboard operating(optional), and network management (web)

Specifications

Input	1×HDMI input (2.0) with 2 HDMI port, HDCP 2.2/1.4	
	2 ASI input, BNC interface	
	32 IP input over UDP and RTP protocol	
Video Input	Resolution	Chroma
	3840×2160_60P,3840×2160_59.94P, 3840×2160_50P,3840×2160_30P, 3840×2160_29.96P,3840×2160_25P, 3840×2160_24P,1920×1080_60P, 1920×1080_59.94P,1920×1080_50P, 1920×1080_30P ,1920×1080_25P 1920×1080_24P,	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 (2160P_50/60Hz only)
Video Encoding	Encoding	H.265/HEVC, H.264/AVC
	Chroma	4:2:2, 4:2:0
	Bit-rate	1Mbps~23Mbps
	Rate Control	CBR

Audio Encoding	Encoding	MPEG-1 Layer 2, LC-AAC
	Sampling rate	48KHz
	Bit-rate	64Kbps~256Kbps each channel
Multiplexing	2 ASI input multiplexed with local 1 channel of TS	
	PID remapping (automatically or manually)	
	Accurate PCR adjusting	
	Generate PSI/SI table automatically	
Stream output	1*ASI output through 4 BNC interfaces	
	1 MPTS over UDP/RTP, 1000M/100M Base-T Ethernet interface (unicast/multicast)	
System function	LCD/keyboard operating, web NMS supporting	
	Ethernet software & hardware upgrade	
Miscellaneous	Dimension (W× L× H)	482mm×455mm×44mm
	Approx weight	4kg
	Temperature	0~45℃(work), -20~80℃ (Storage)
	Power	AC 100V-220V±10%, 50/60Hz
	Consumption	25W

Principle Chart



TCL-The Creative Life
To develop the most creative products and provide excellent service for consumers through keen marketing insight

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1080P Original Signal

Convert to 4K encoding output