Product Overview

SFT3211C is a newest professional 4K Encoder designed by SOFTEL. 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

<table>
<tr><td rowspan="3">Input</td><td colspan="2">1×HDMI input (2.0) with 2 HDMI port, HDCP 2.2/1.4</td></tr>
<tr><td colspan="2">2 ASI input, BNC interface</td></tr>
<tr><td colspan="2">32 IP input over UDP and RTP protocol</td></tr>
<tr><td rowspan="2">Video Input</td><td>Resolution</td><td>Chroma</td></tr>
<tr><td>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,</td><td>RGB, YCbCr 4:4:4, YCbCr 4:2:2,
YCbCr 4:2:0 (2160P_50/60Hz only)</td></tr>
<tr><td rowspan="4">Video Encoding</td><td>Encoding</td><td>H.265/HEVC, H.264/AVC</td></tr>
<tr><td>Chroma</td><td>4:2:2, 4:2:0</td></tr>
<tr><td>Bit-rate</td><td>1Mbps~23Mbps</td></tr>
<tr><td>Rate Control</td><td>CBR</td></tr>
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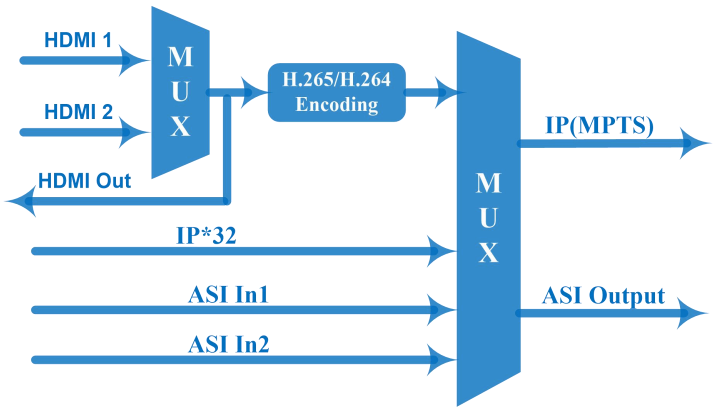
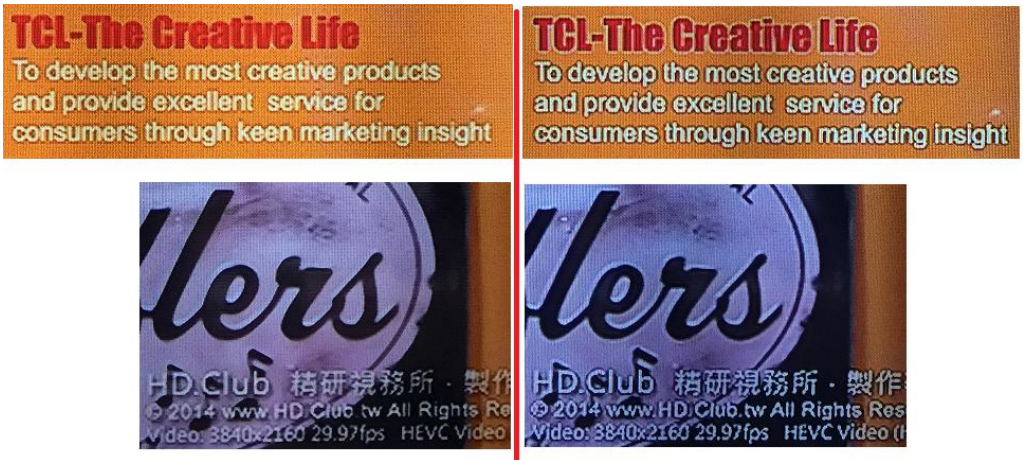
Audio Encoding	Encoding	MPEG-1 Layer 2, LC-AAC
	Sampling rate	48KHz
	Bit-rate	64Kbps~256Kbps each channel
Multiplexing	2 ASI input multiplexed with local 1 channel of TS	
	PID remapping (automatically or manually)	
	Accurate PCR adjusting	
	Generate PSI/SI table automatically	
Stream output	1*ASI output 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





1080P Original Signal

Convert to 4K encoding output

HANGZHOU SOFTEL OPTIC CO., LTD
ADD:708-709 HAIWEI BUILDING, No.101 BINKANG ROAD ,BINJIANG DISTRICT, HANGZHOU,ZHEJIANG,CHINA
TEL:+86 571 88989381 FAX:+86 571 88983280
Web : www.softel-optic.com