

SFT3528S Encoder Modulator



OSD (Logo/Caption/QR Code) Insertion



Product Overview

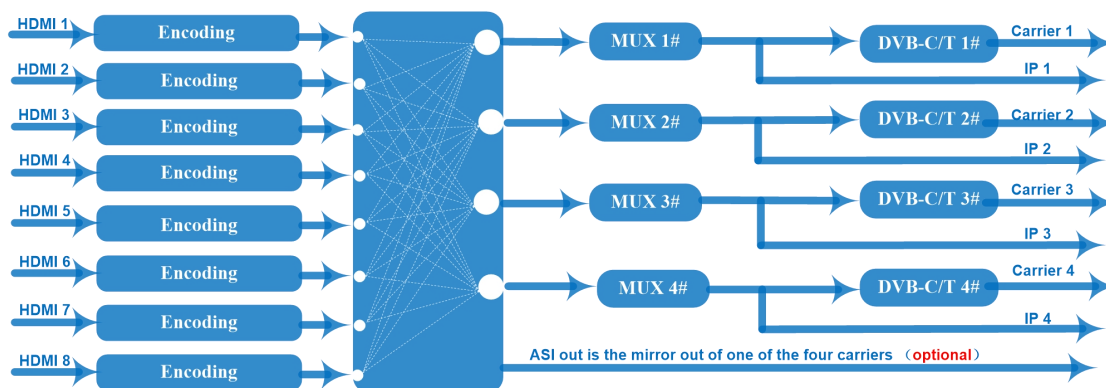
SFT3528S is a professional high integration device which includes encoding, multiplexing, and modulating in one box. It supports 8 HDMI inputs and DVB-C/T RF out with 4 adjacent carries and 4 MPTS out as mirror out of the 4 modulation carriers via DATA (GE) port. This full function device makes it ideal for small CATV head end system, and it's a smart choice for hotel TV

system, entertainment system in sports bar, hospital, apartment...

Key features

- **Support LOGO, OSD and QR code insertion for every local channel (Language Supported: 中文, English, العربية, ไทย, , русская, اردو, for more languages please consult us...)**
- **8 HDMI input, MPEG-4 AVC/H.264 Video encoding**
- **MPEG1 Layer II, LC-AAC, HE-AAC audio encoding format and AC3 Pass Through and support audio gain adjustment**
- **4 groups of multiplexing/modulating output channels**
- **4 DVB-C or DVB-T RF out**
- **Support 4 MPTS IP output over UDP and RTP/RTSP**
- **Support PID remapping/PSI/SI editing and inserting**
- **Control via web management, and easy updates via web**

Principle Chart



Technical Specification

Input	8 HDMI inputs		
Video	Encoding	MPEG-4 AVC/H.264	
	Resolution	In-put	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,
		Out-put	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass Through	

	Sampling rate	48KHz	
	Resolution	24-bit	
	Audio Gain	0-255 Adjustable	
	MPEG-1 Layer 2 bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps	
	LC-AAC bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps	
	HE-AAC bit-rate	48/56/64/80/96/112/128 kbps	
Multiplexing	Maximum PID Remapping	180 input per channel	
	Function	PID remapping (automatically or manually)	
		Generate PSI/ SI table automatically	
Modulation	DVB-C	RF out	4*RF DVB-C out (4 carriers combined output)
		Standard	EN300 429/ITU-T J.83A/B
		MER	≥40db
		RF frequency	50~960MHz, 1KHz step
		RF output level	-25~-1dBm (82~105 dbμV), 0.1dBm
		Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping
			J.83A J.83B
		Constellation	16/32/64/128/256QAM 64/256 QAM
		Bandwidth	8M 6M
	DVB-T	Standard	EN300744
		FFT mode	2K,
		Bandwidth	6M, 7M, 8M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step
		RF out	4*RF COFDM DVB-T out (4 carriers combined output)
		RF output level	-28~ -3 dBm (77~97 dbμV), 0.1db step
Stream output	RF output (F type interface)		
	4 IP MPTS output over UDP/RTP/RTSP, 1*1000M Base-T Ethernet interface		
System function	Network management(WEB)		
	Chinese and English language		
	Ethernet software upgrade		
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm	
	Environment	0~45℃(work); -20~80℃ (Storage)	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ±10%,50/60Hz	