Smart Stream

SMT 05 Six channel Input Video Encoder

Introduction

- SMT 05 network video encoder is use the most advanced H.264/AVC video compression algorithm and MPEG4 AAC audio compression algorithm。The 6 channel SDI/HDMI/CVBS video and audio can Coding compression at the same time and output through the internet port.

- SMT 05 is the most powerful encoder, in the industry. It provides a variety of protocols IPV6UDP/UDP/RTP/RTSP/RTP/HTTP/HLS/RTMP and so on. All of streaming protocol can work at the same time. One channel coding of each protocol can support access to 8 client or workstation. The user can watch live video through the web browser, I Pad, I phone, Androids and IP-STB and so on. It's used widely in emergency communications, network video broadcast, mobile video broadcast, teleconferencing, hotel VOD, campus radio, hospital expert consultation, and many other applications.

Features

- High stability, embedded design, low power consumption.
- Low compression bit rate, 1080P25 1Mbps.
- High integration, 1U device can come true 6 channels HD encoding.
- IPV6UDP/UDP/RTP/RTSP/HTTP/HLS/RTMP outputs.
- High performance, support HDMI and CVBS input at the same time.
- One channel coding of each protocol can support concurrent 8 flow output.
- Support H.264/AVC High Profile, Main Profile, Baseline
- Audio coding support the AAC, MPEG1 Audio Layer 2
- Support a variety of input video format, 1080P 1080I 720P and PAL NTSC
- Support the maximum resolution of 1080P and any resolution of less than 1080P.
- Support push real-time stream for the live stream media server, Adobe FMS, Wowza, RED5 and so on
- Easy to use Web interface, the LCD front panel and button configuration.

Specifications:

Input	Video	SDI (x6)
		HDMI (x6)
		CVBS (BNC x6)
		720x480i/p 720x576i/p 1280x720p 1920x1080i/p
	Audio	SDI (x6)
		HDMI (x6)
		Analog Double Channels (BNC x12)
Video Encoding	most strong ability	1920x1080P30 1280x720P60
	pretreatment	support de interlacing
	Co de Standards	H.264/MPEG4-AVC
	Compressibility	minimum 1080P25 1Mbps
	coding delay	All supported is less than 100 seconds 300ms
	resolution	352x288 ~ 1920x1080 can be arbitrary regulatory
	frame rate	8Hz –60Hz can be arbitrary regulatory
	Coding class	High Profile, Main Profile, Baseline

	hierarchy	Level 1.0 – 4.1. can be arbitrary regulatory
	bit-rate	100kbps ~ 20Mbps. can be arbitrary regulatory
	bit-rate control	CBR/VBR
	GOP Structure	I IP IBP IBBP IBBBP
	GOP Length	can be arbitrary regulatory
AudioEncoding	sampling precision	24 bit
	sampling rate	32KHz 44.1KHz 48KHz
	channel	Stereo Mono-L Mono-R
	Code Standards	AAC MP2
	bit-rate	30Kbps ~ 384Kbps
Output	port	RJ45 x 2 10/100Mbps
	output protocols	TS over IPv6
		TS Over UDP
		TS Over RTP
		TS Over HTTP
		FLV Over HTTP
		HTTP live stream
		RTSP/RTP
		RTMP
	output object	all of 512 concurrent output
Device Management	front panel	LCD and seven keys
	network	By browsing the web management
	video preview	WEB browser
characteristics of electromechanical	weight	8Kg
	size	1U
	power	AC 110V 50/60Hz 220V 50/60Hz
	Power Dissipation	40W

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