

Smart Stream



SMT 04 Network Video Encoder

Introduction:

- High stability, embedded design, low power consumption.
- Low compression bit rate
- Low coding delay, Code delay is less than 300 ms
- Advanced coding technology, the industry's first triple B frame prediction, Ensure clear images at the same time reduce the bandwidth limit.
- Most business adaptability is strong, support output protocol of the encoder, UDP, HTTP, RTSP/RTP, RTMP
- High cost performance, Support the HDMI, HD/SD-SDI, CVBS and analog input.
- 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 release real-time stream for the live stream media server, Adobe FMS, Wowza, RED5 and so on
- Ease of use for everyone, the embedded WEB configuration, the LCD front panel and button configuration.

Function:

- Network video encoder is use the most advanced H.264/AVC video compression algorithm and MPEG4 AAC audio compression algorithm. In the harsh conditions of the low bandwidth also possess excellent video and audio reducing performance. The 1080P25/30 high-definition video can be display in 1Mbps video bit rate and 30 kbps audio bit rate video. we used the low delay coding technique. The 1080P25 code delay is less than 300 ms.
- In order to adapt to a variety of complex network audio and video application environment. SMT 04 Network Video Encoder provides a rich media streaming protocols. For example, RTMP, RTSP/RTP, HTTP, UDP and so on. The user can watch live video through the web_browser iPad iPhone Andriod and IP-STB. 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.

Specifications:

Input	Video	HD/SD-SDI (BNC)
		HDMI (HDCP Support)
		CVBS (BNC)
		720x480i/p 720x576i/p 1280x720p 1920x1080i/p
	Audio	HD/SD-SDI (BNC)
		HDMI
		Analog Double Channels (BNC)
VideoEncoding	Most strong ability	1920x1080P30 1280x720P60
	Pretreatment	Support deinterlacing
	Code 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 IBBBBP
	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 function of switch
	Output protocols	TS Over UDP
		TS Over HTTP
		FLV Over HTTP
		RTSP/RTP
		RTMP
DeviceManagement	Front panel	LCD and seven keys
	Network	By browsing the web management
Characteristics of electromechanical	Weight	3Kg
	Size	Standard 1U
	Power	AC 110V 50/60Hz 220V 50/60Hz
	PowerDissipation	8W

HEAD OFFICE :

A1/E, 3rd Floor,
Sector-16, Noida
Ph.: +91-120-4549952
Mob.: +91-8588813751

2945 Wetherburn Ct,
WOODBIDGE,
VA 22191, US

404, Bld. No 2, Ram Rahim Complex,
Mira Road East, Thane-401107
Mumbai
Mob.: +91-9323664688

Email: sales@smartstream.in | Web.: <http://www.smartstream.in>



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