

HPNE9000 HD H.264 Network Media Encoder



Outline

HPNE9000 is a portable Network Live Encoder with H.264/AVC Video encoding and MPEG-4 AAC audio encoding. High video and audio quality at very low bit rate even 1080P25 video can be compressed to 1Mbps. Using low delay compress technology, even 1080P25 video compressing delay little than 300ms.

HPNE9000 has many versatile streaming protocol, RTMP, RTSP/RTP, HTTP, UDP, RTP etc. Customers could watch the live video by PC web, iPad, iPhone, Android, or IP set-top box etc.

It can be widely used for cross-border point-to-point transmission, emergency video, Network live video (IPTV) broadcast, mobile video, remote conference, hotel VOD, campus radio broadcast, hospital expert consultation, etc

Feature

1. High reliability, embed process, low power。
2. High quality @ low bit rate, 1080P25 1Mbps
3. Low delay processing, Video encoding less than 300ms
4. Excellent technology, first Triple B encoder, which ensuring the video quality even at very low bit rate
5. Versatile application, more streaming protocol, UDP, HTTP, RTSP/RTP, RTMP
6. Good cost performance, support HDMI, HD/SD-SDI, CVBS video input and HDMI, HD/SD-SDI, Analog audio input
7. Support H.264/AVC High Profile, Main Profile, Baseline
8. Support AAC, MPEG1 Audio Layer 2 Audio encoding
9. Support 1080P, 1080I ,720P and PAL NTSC video input
10. Maximum 1080P, and any down convert video Definition
11. Compatible publishing stream to Adobe FMS, Wowza, RED5 media server
12. Friendly Man-Machine interface, WEB configuration ,7 Keys + LCD display indication

Specification

Input	Video	HD/SD-SDI (BNC)
		HDMI (HDCP Support)
		CVBS (BNC)
		Support 720x480i/p 720x576i/p 1280x720p 1920x1080i/p
	Audio	HD/SD-SDI (BNC)
		HDMI
Analog R-L (BNC)		
Video Encoding	Maximum Video	1920x1080P30 1280x720P60
	Pre-process	De-interlace, noise filter
	Compress STD	H.264/MPEG4-AVC
	Compress performance	1080P25@1Mbps
	Encoding Delay	Less than 300ms
	Definition	352x288 ~ 1920x1080 Adjustable
	Frame Rate	8Hz – 60Hz Adjustable
	H.264 Profile	High Profile, Main Profile, Baseline Adjustable
	H.264 Level	Level 1.0 – 4.1 Adjustable
	Bit rate	100kbps ~ 20Mbps Adjustable
	Bit rate mode	CBR/VBR
	GOP Structure	I IP IBP IBBP IBBBP

	GOP Length	Adjustable
Audio Encoding	Sample length	24 bit
	Sample Rate	32KHz 44.1KHz 48KHz
	Track	Stereo Mono-L Mono-R
	Compress STD	AAC MP2
	Bit rate	30Kbps ~ 384Kbps
Output	Interface	RJ45 x 2 10/100Mbps with switch ability
	Stream Protocol	TS Over UDP
		TS Over RTP
		TS Over HTTP
		FLV Over RTMP
		RTSP/RTP
RTMP		
Management	Equipment	7Keys + LCD indicator
	Network	embedded WEB configuration
General	Weight	3KG
	Size	1U standard
	Power	AC 110V~220V 50/60Hz