

HP902D 4in1 H.264 Flash HD Encoder



Overview

HP902D 4in1 H.264 Flash HD Encoder is a professional IPTV broadcasting quality multimedia encoder, for high definition video for real-time streaming applications. It provides flexible streaming for low-bandwidth transmission applications using MPEG-4 AVC/H.264 video and AAC audio encoding, supporting FLV over RTMP streaming output, thus seamlessly connecting to Flash Media Server for FLASH video applications. It also supports TS over HTTP streaming output and can achieve low latency HD video transmission over the Internet . HP902D 4in1 H.264 Flash HD Encoder is perfectly used for IPTV live broadcasting, mobile video broadcasting, hotel VOD, IPTV point to point streaming, E-learning, distance education, video conferencing, marketing and other multimedia streaming applications.

Features

- ◆ Support 4 HDMI channels input , support HDCP
- ◆ Support 4 CVBS input
- ◆ Support MPEG-4 AVC/H.264 high profile level 4.1/4.0 video encoding for HD
- ◆ Support MPEG-4 AVC/H.264 high profile/main profile level 3.0 video encoding for SD
- ◆ Video resolution rescaling
- ◆ Support VBR/CBR video bit rate mode
- ◆ Support 720P, 1080I, 1080P HD video format and normal SD video format
- ◆ IP stream output, support TS over HTTP, FLV over RTMP, and TS over CMP
(Support HTTP,RTMP,UDP,RTSP/RTP protocol)
- ◆ support real-time live streaming to Adobe FMS released
- ◆ Support Microsoft WMS publish from time to time live streaming
- ◆ Real-time output bit-rate monitoring
- ◆ Support remote control via WEB-GUI network management, Supports a variety of devices including PC/Pad/Smart phones
- ◆ Update device through ethernet port

Technical Specification

Input	HD HDMI	4xHDMI (support HDCP)
	SD CVBS	4xCVBS (composite video& audio)
Output	IP stream	TS over HTTP, FLV over RTMP, TS over UDP, TS over CMP
Standard		(MPEG-4 AVC/H.264) ISO/IEC14496-10
Output bitrate		1 to 20Mbps(4:2:0) per channelp

Control		WEB GUI management
Video Coding		MPEG-4 AVC/H.264 Encoding H.264 HP@L4 MP@L3
		H264 Adaptive Field Frame (AFF)
		H264 field based (FB)
		1920*1080*60p/50p, 1920*1080*60i/50i, 1280*720*60p/50p, 720*480*60i(NTSC), 720*576*50i(PAL), 480x320p/i, 320x240p/i
Audio	Bitrate	30Kb/s~384Kb/s
	property	MPEG-1 layer 2, MPEG4 LC-AAC
	Sample bitrate	24Bit
General Features	Size	44mm*482mm*410mm(1RU)
	Environment	0 ~ 45℃(work), -20 ~ 80℃(Storage)
	Power	100-240VAC±10%, 50Hz,25W