

HD H.264 IP Encoder



Overview

MPEG-4 AVC/H.264 high definition (HD) encoder has 1xHDMI, 1xHD YPbPr, 1xSD CVBS and 1 pair of unbalanced audio input interfaces and DVB transport stream (TS/ASI) and IP (TS over IP) output interfaces. This encoder can support multiple HD formats including 1080i/p and 720p. It suits 1U case and can be operated by LCD or remotely by Network Management System. Its high-integrated and cost-effective design makes it widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting and terrestrial digital TV, etc.

Features

- ◆ H.264/MPEG-4 AVC High Profile Level 4.0 video encoding, advanced video pretreatment algorithm, MPEG-1 audio coding
- ◆ HDMI/YPbPr/CVBS + Audio input
- ◆ Support HDCP
- ◆ Support PAL and NTSC video formats
- ◆ Support multiple HD formats including 1080i/p and 720p
- ◆ LCD/Keyboard control by front panel and network management by Ethernet

Technical Specification

Input	SD CVBS	BNC interface
	Audio	1 pair of unbalanced audio, BNC interface
	HD HDMI	High Definition Multimedia Interface
	HD YPbPr	BNC interface
Video Coding		4:2:0 encoding H.264 HP@L4 MP@L3
		H.264 Adaptive Field Frame (AFF)
		H.264 Field-Based (FB)
		full HD: 1920×1080×60i/p, 1920×1080×50i/p, 1280×720×60p/50p, 720×480×60i (NTSC), 720×576×50i (PAL)
Standard		ISO/IEC14496-10 (H.264/MPEG-4 AVC)
Audio Coding	Bit Rate	128, 160, 192, 224, 256, 320, 384Kbps
	Property	MPEG-1 Layer2
Output	2×ASI	TS DVB standard, BNC interface
	IP	IP/UDP (TS over IP), Unicast/Multicast
Output Bit Rate		1 to 20Mbps (4:2:0)
Control		NMS (Ethernet port, RJ-45), Keyboard + LCD
General Features	Size	482mm×280mm×44mm
	Temperature Range	0~45°C (Operation); -20~80°C (Storage)
	Power	100-240VAC, 50Hz, 25W