

# HD H.264 IP Encoder



## Overview

MPEG-4 AVC/H.264 high definition (HD) Encoder has 1xHD SDI, 1xHDMI, 1xHD YPbPr, 1xSD CVBS and one pair of unbalanced audio input interfaces and DVB Transport Stream (TS/ASI) and IP (TS over IP) output interfaces, supporting multiple HD formats including 1080i/p and 720p. It suits 1U rack and can be remotely controlled by Network Management Software. 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 coding, advanced video pretreatment algorithm, and MPEG-1 audio encoding
- ◆ HDMI/YPbPr/SDI/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 NMS management by Ethernet

# Technical Specification

<b>Input</b>	<b>SD CVBS</b>	BNC interface
	<b>Audio</b>	1 pair of unbalanced audio, BNC interface
	<b>HD SDI</b>	BNC interface
	<b>HD HDMI</b>	High Definition Multimedia Interface
	<b>HD YPbPr</b>	BNC interface
<b>Video Coding</b>		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)
<b>Standard</b>		ISO/IEC14496-10 (H.264/MPEG-4 AVC)
<b>Audio Coding</b>	<b>Bit Rate</b>	128, 160, 192, 224, 256, 320, 384Kbps
	<b>Property</b>	MPEG-1 Layer2
<b>Output</b>	<b>2×ASI</b>	TS DVB standard, BNC interface
	<b>IP</b>	IP/UDP (TS over IP), Unicast/Multicast
<b>Output Bit Rate</b>		1 to 20Mbps (4:2:0)
<b>Control</b>		NMS (Ethernet port, RJ-45), Keyboard + LCD
<b>General Features</b>	<b>Size</b>	482mm×280mm×44mm
	<b>Temperature Range</b>	0~45°C (Operation); -20~80°C (Storage)
	<b>Power</b>	100-240VAC, 50Hz, 25W