



## HP805D 4-Channel HD-SDI H.264 Encoder



### Overview

HP805D 4-channel MPEG-4 AVC/H.264 HD (High Definition) SDI encoder has 4×SDI input and generates ASI (DVB, BNC) transport stream and 4×SPTS (TS over UDP) output. It supports multiple HD formats including 1080i/p and 720p. It suits 1U rack and provides front panel LCD operation and NMS (Network Management Software) controlling. 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/AVC High Profile Level 4.0 video encoding, advanced video pretreatment algorithm, MPEG-1 audio encoding
- ◆ 4×SDI input
- ◆ Support multiple HD formats including 1080i/p and 720p
- ◆ LCD/Keyboard control by front panel and network management by Ethernet

## Technical Specification

<b>Input</b>	<b>4×SDI</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: 1920×1080×60/50i/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>Bitrate</b>	128, 160, 192, 224, 256, 320, 384Kbps
	<b>Property</b>	MPEG-1 Layer2
	<b>Sample Bitrate</b>	32KHz, 44.1KHz, 48KHz
<b>Output</b>	<b>2×ASI</b>	DVB standard, BNC interface
	<b>IP</b>	IP/UDP (TS over IP), SPTS/Unicast/Multicast
	<b>Output Bitrate</b>	1 to 20Mbps (4:2:0) per channel
	<b>Control</b>	NMS (Ethernet port, RJ-45), Keyboard + LCD
<b>General Features</b>	<b>Size</b>	482mm×410mm×44mm
	<b>Temperature Range</b>	0~45°C (Operation); -20~80°C (Storage)
	<b>Power</b>	100-240VAC, 50Hz, 25W