

# 4IN1 HD-SDI H.264 IP Encoder



## Overview

4IN1 HD-SDI H.264 IP Encoder has 4xSDI input and generates DVB transport stream (TS/ASI) and MPTS (TS over IP) output. It supports multiple HD formats including 1080i/p and 720p. It suits 1U rack and provides 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/MPEG-4 AVC High Profile Level 4.0 video encoding, advanced video pretreatment algorithm, MPEG-1 audio encoding
- ◆ 4xSDI input
- ◆ Support multiple HD formats including 1080i/p and 720p
- ◆ LCD/Keyboard control by front panel and network management by Ethernet

## Technical Specification

|       |       |               |
|-------|-------|---------------|
| Input | 4xSDI | 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), MPTS/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  |