

# ENC316X

## 16/32/48 SD H.264 Encoder

H.264  
MPEG-4/AVC



**ENC316X** can simultaneously perform SD H.264 compression encoding on up to 48 analog audio and video input signals, and then output through the IP interface. This product can be applied to the source code of the digital TV network front end, and supports WEB-based management.

With efficient bitrate utilization, high reliability and advanced compress arithmetic, it possible to transmit high quality video content at the lowest possible bandwidth. And produce IP output data streams.

ENC316X is designed especially for high channel density Distribution Video Engineering project, compatibility Up to 48 RCA inputs. It's an ideal encoder for anyone looking for an easy and affordable way to support a large number of SD channels in low cost deployment.

### Key Features

- 16/32/48\*CVBS video input
- Video encoding: H.264 encoding
- Support ultra-low bit rate encoding
- Encoding resolution: 720 \* 576P@25, 720 \* 480P@30
- Audio encoding: MPEG1 Layer II
- Supports PAL and NTSC SD video formats
- PSI/SI: PAT PMT SDT insert
- Independently set audio encoding bit rate: 64, 96, 128, 192Kbps (MPEG-1 L2)
- Video output bit rate range: 0.5 ~ 3.2Mbps
- System output bit rate range: 2 ~ 60Mbps
- MPEG TS-over-IP output, support SPTS mode
- UDP/RTP payload is 7 TS streams with a length of 188 bytes
- Automatically save user's configuration
- Power-down memory function
- Dual Power supply
- Easy-to-Use System Management and updates via Web

### Application

- Digital TV, OTT/IPTV head-end system
- Remote live Rebroadcasts and real-time transmission
- SD video via private IP networks
- Carrier-grade Cable TV, Satellite Up-link
- Video over Coax Cable solution in Hotel, Campus, Enterprise

TECHNICAL SPECIFICATIONS

Input

Interface DB15 TO RCA interface  
Input 16/32/48 CVBS  
Single board 4 groups (CVBS, L & R Audio)

Output

IP Output Port SPTS over UDP/RTP  
Type RJ-45 1000 Base-T  
Format MPEG TS-over-IP

Video Coding

Encoding mode MPEG4 AVC/H.264  
Bit rate 0.5~3.2 Mbps  
Bit rate mode CBR

Audio Coding

Sampling Rates 32KHz  
Bit rate 96Kbps~192Kbps  
Encoding Format MPEG1 Layer II

Management

Interface 1\*RJ-45, 1000 Base-T  
Remote Control Web management  
Language Chinese/English

Environment

Power Supply AC 110V, 50/60Hz, AC 240, 50/60Hz  
Power consumption 20 W  
Operation temperature 0°C ~45°C (32°F ~113°F)  
Storage temperature -20°C ~80°C (-4°F~176°F)  
Dimensions 482 (L)x410(W)x44mm(H) (1RU)  
Approx weight 8kg

Typical Order Information

| Model   | CVBS | IP out  |
|---------|------|---------|
| ENC3161 | 16   | 16*SPTS |
| ENC3162 | 32   | 32*SPTS |
| ENC3163 | 48   | 48*SPTS |