

MPEG2/H.264/HEVC DIGITAL TV ENCODER



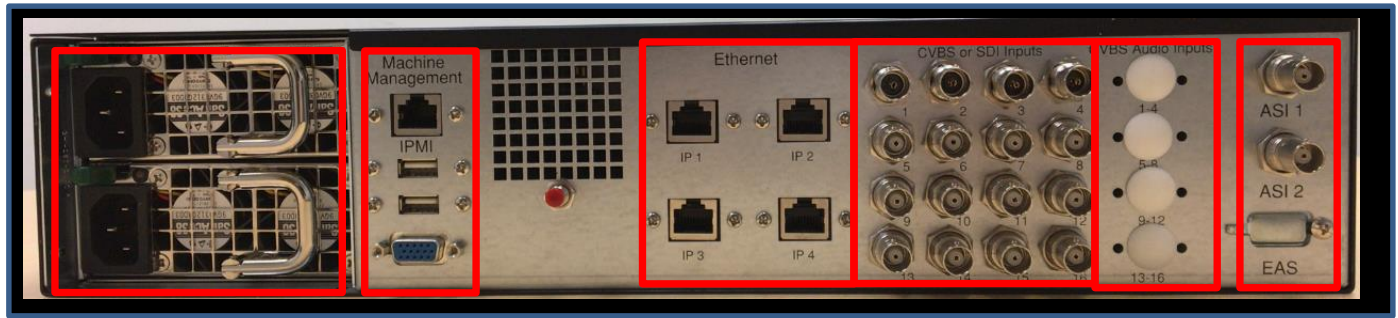
Introduction

Anywave's I-Series encoding platform is a versatile, compact, high quality and reliable encoding platform with a variety of configurations for standards based encoding. The I-Series platform offers a comprehensive range of encoding options. Input signals can be any mix of SDI, composite, ASI or IP. The encoder supports scaling/cropping to any resolution for the encoded outputs which are statistical multiplexed into a single MPTS MPEG-TS over IP and ASI. Video codecs are two pass, superior quality MPEG2, H.264 and upgradable to HEVC video codecs for ATSC3.0. Audio codecs include AC-3 stereo and 5.1 and AC-3 passthrough, and upgradable to ATSC 3.0 audio codecs. The I-Series is a feature rich product that integrates other aspects of the system including EAS, static or dynamic PSIP, CALM processing, logo insertion, and a programmable scrolling text overlay feature. A convenient web interface with a rich and easy to navigate UI makes the platform simple to set up and manage.

Key Facts

- ✓ Innovative and high quality algorithms for H.264 and MPEG2 video compression.
- ✓ UDP/IP and MPEG2-TS transport outputs supported
- ✓ CBR, VBR and capped VBR rate control modes
- ✓ Premium Statistical Multiplexing for maximum video compression performance
- ✓ CALM Act Support (software option)
- ✓ EAS switching compliant with ATSC
- ✓ Static PSIP
- ✓ Dynamic PSIP (optional)
- ✓ SNMP for monitoring and control

Input / Outputs



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1. Dual Redundant Power Supply
2. IP and USB/VGA KVM management
3. IP inputs/outputs (1000 baseT)

4. Up to 16 SDI inputs (available CVBS option)
5. Separate Audio inputs (for analog CVBS input)
6. ASI outputs (second output optional) Optional EAS input (CVBS or IP)

Compression Standards

Video: MPEG-2, Simple, Main, and 442P Profile up to High level
MPEG-4 AVC/H.264
Baseline, Main, and High Profile up to Level 4.2 HD
H.265/HEVC Main and Main 10

Audio: Multiple programs per channel
MPEG-1 layer 2
MPEG-2 layer 3 (mp3)
MPEG2/MPEG-4, AAC-LC, AAC-HE
AC-3 stereo and 5.1 encoding
AC-3 pass through
Sampling Frequency 32, 44.1, 48 KHz

Cost Effective 100%

Reliable 100%

Scalable 100%

Dependable 100%

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