



**I SERIES**

**PRODUCT SPECIFICATIONS**

# **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 (optional).

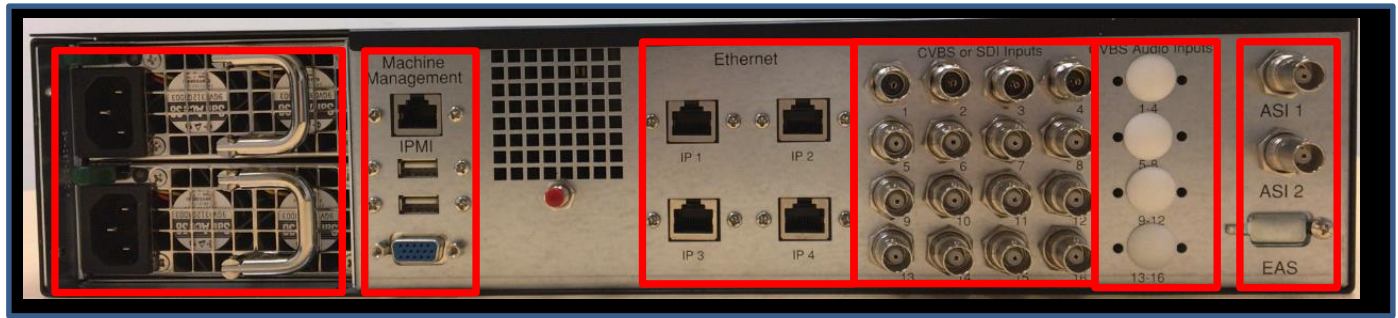
Video codecs are two pass, superior quality MPEG2, H.264 and upgradable to HEVC video codecs for ATSC3.0. Audio codecs include AC-3 stereo and 5.1 and AC-3 passthrough, and upgradable to ATSC 3.0 audio codecs.

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 (ASI output optional)
- ✓ 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



- 1                      2                      3                      4                      5                      6

- 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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