

MPEG-4/H.264 SD/HD Broadcast Encoder



The UC-450E+ SD/HD MPEG-4/H.264 ENCODER is a broadcast-level real-time encoder compatible with MPEG-4/H.264 DVB standards. It is designed for TV broadcasting, news contribution, content delivery, distribution and DTH applications.

The UC-450E+ SD/HD MPEG-4/H.264 ENCODER model includes SD/HD-SDI, HDMI and Analog Inputs and allows for the use of standard IRD's. It has 1 video and audio inputs, supporting MPEG-1 Audio layer 2, LC-ACC, HE-AAC, and can support ultra low bit-rate 0.8~20Mbps for H.264 encoding.

ADVANTAGES

- SD and HD capable
- Compatible with most DVB receivers
- Front panel and remote configuration
- Easy Operation & Deployment
- Very Cost Effective

APPLICATIONS

- Broadcast
- News Contribution
- Content Distribution
- DSN&G and IP
- Direct-to-Home
- Production Testing
- Satellite Trucks

SPECIFICATIONS

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|-----------------------|---|
| Video input | 1 x Analog CVBS BNC connector 1 x S-Video Analog YPbPr input BNC connector 1 x YPbPr video input BNC connector 1 x HD/SD-SDI BNC connector 1 x HDMI connector |
| Audio input | Analog stereo audio(balanced) XLR interface Analog stereo audio(unbalanced) BNC interface AES / EBU digital audio XLR interface HD/SD-SDI embedded audio LC-AAC audio format optional |
| Video Resolution | 1080p 60Hz, 1080i 60Hz, 1080i 50Hz 720p 60Hz, 720p 50Hz 480i(NTSC), 576i(PAL) |
| Video Encoding | H.264/MPEG-4 AVC level 4.0 on HD H.264/MPEG-4 AVC level 3.0 on SD |
| Video Bit Rate | 0.8Mbps~20Mbps |
| Video Rate Control | CBR/VBR |
| GOP Structure | IBBP |
| Audio Encoding | MPEG-1 Layer 2, LC-AAC |
| Audio Sampling Rate | 48KHz |
| Audio Resolution | 24-bit |
| Audio Bit Rate | 64Kb/s~384Kb/s |
| Stream output | 2 x ASI outputs BNC connector IP STREAMING (Unicast/Multicast) |
| Dimensions | 19"W 2"H 14"D |
| Weight | 9lb |
| Operating Temperature | 0~45C |
| Storage Temperature | 20~80C |
| AC Power | 90 ~240VAC 50/60Hz |
| Power Consumption | 18W |

KEY FEATURES

- H.264/MPEG-4 AVC level 4.0 video encoding
- MPEG-1 Audio Layer II audio encoding
- LC-AAC audio encoding
- UDP and unicast/multicast output support
- Composite and Component video input
- HD/SD-SDI digital video input
- HDMI digital video input
- XLR, analog and embedded audio inputs
- PAL and NTSC video formats
- 1080P, 1080i, 720P resolution formats
- Front Panel and Software control
- IP Output
- Two Year Factory Warranty

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