

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



UPCOM's UC-454E+ 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-454E+ SD/HD MPEG-4/H.264 ENCODER model includes 4 inputs of either SD/HD-SDI, and allows for the use of standard IRD's. It has 4 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
- DSNG and IP
- Direct-to-Home
- Production Testing
- Satellite Trucks

SPECIFICATIONS

Video input	4 x HD/SD-SDI BNC connector
Audio input	HD/SD-SDI/HDMI embedded audio
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	30W (dual power supply optional)

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
- 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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