

## MPEG-4 SD/HD IP ENCODER



The UC-450E+IP SD/HD MPEG-4/H.264 ENCODER is a broadcast-level real-time encoder compatible with MPEG-4/H.264 DVB standards. specially designed for IP broadcasting.

### ADVANTAGES

- SD/HD MPEG-4 encoding
- IP streaming with Forward Error Correction (FEC)
- Compatible with most DVB receivers
- Easy Operation & Deployment
- Very Cost Effective

### APPLICATIONS

- Broadcast Contribution
- Broadcast Distribution
- DSNG and IP
- Direct-to-Home
- Production Testing
- Satellite Trucks

This Encoder can also be used for news contribution, content delivery, distribution and DTH applications. The UC-450E+IP SD/HD MPEG-4/H.264 ENCODER model includes Composite or SD/HD/3G-SDI configurable via software. It has analog unbalanced and embedded audio inputs.

### SPECIFICATIONS

Video input	2 x CVBS / SDI BNC connector
Audio input	Analog stereo audio(unbalanced) HD/SD-SDI embedded audio
Video Resolution	1080p 60Hz, 1080p 50Hz, 1080i 60Hz 720p 60Hz, 720p 50Hz 480i(NTSC), 576i(PAL)
Video Encoding	H.264/MPEG-4 AVC level 4.2 on HD (MP@L4.2) H.264/MPEG-4 AVC level 4.0 on HD (MP@L4.0) H.264/MPEG-4 AVC level 3.0 on SD (MP@L3.0)
HD Video Bit Rate	2Mbps~30Mbps
SD Video Bit Rate	1.5Mbps~10Mbps
Video Rate Control	CBR/VBR
GOP Structure	IBBP, IBP and IP
Audio Encoding	MPEG-1 Layer II, AAC-LC
Audio Bit Rate	56Kb/s~512Kb/s
Stream output	2 x ASI outputs BNC connector IP STREAMING (Unicast/Multicast)
Dimensions	1RU Rack Mountable tray
Operating Temperature	0~40C
Storage Temperature	20~80C
AC Power	90 ~240VAC 50/60Hz
Power Consumption	15W

### KEY FEATURES

- H.264/MPEG-4 AVC level 4.0 video encoding
- MPEG-1 Audio Layer II audio encoding
- LC-AAC audio encoding
- Dolby Digital AC3 Pass-Through
- UDP and unicast/multicast output support
- Composite or SDI video input
- PAL and NTSC video formats
- 1080P, 1080i, 720P and SD resolution formats
- Software control
- Closed Captioning support (EIA608/708)
- SMPTE-2022 FEC support (Pro-MPEG COP3)
- HTTP HLS Support
- Two Year Factory Warranty

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