

MPEG-4/MPEG-2 SD/HD Broadcast Encoder



The UC-550E+ SD/HD MPEG-4/MPEG-2 ENCODER is a broadcast-level real-time encoder compatible with MPEG-4/MPEG-2 DVB standards. It is designed for TV broadcasting, news contribution, content delivery, distribution and DTH applications.

The UC-550E+ SD/HD MPEG-4/MPEG-2 ENCODER model includes SD/HD-SDI, HDMI and Analog Inputs and allows for the use of standard IRD's. It has 1 video and 4 audio inputs, supporting MPEG-1 Audio layer 2, LC-ACC, HE-AAC, and can support ultra low bit-rate 0.25~60Mbps for H.264/MPEG-2 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 and IP
- Direct-to-Home
- Production Testing
- Satellite Trucks

SPECIFICATIONS

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	2 Analog stereo audio(balanced) XLR interface 2 Analog stereo audio(unbalanced) BNC interface 1 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	0.25Mbps~60.5Mbps
Video Rate Control	CBR/VBR
GOP Structure	IP, IPD, IPBB, IPBBB, IPBBBB, IPBBBBB
Audio Encoding	MPEG-1 Layer 2, LC-AAC
Audio Sampling Rate	48KHz
Audio Resolution	24-bit
Audio Bit Rate	32Kb/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	25W

KEY FEATURES

- H.264/MPEG-4 AVC level 4.0 video encoding
- MPEG-2 HD/SD Encoding
- MPEG-1 Audio Layer II audio encoding
- LC-AAC audio encoding
- UDP and unicast/multicast output support
- AC-3 Pass through
- Closed Captioning Support EIA608, EIA708
- HD/SD-SDI digital video input
- HDMI digital video input
- XLR, analog and embedded audio inputs
- PAL and NTSC video formats
- 1080i, 720P, 480i in both 50Hz or 60Hz
- Front Panel and Software control
- IP Output
- Two Year Factory Warranty

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