



8x SDI Encoder + Mux with ASI+IP Output



- ✓ 8x SD-SDI and 1x ASI Input, 2x ASI outputs
- ✓ MPTS or 8 SPTS UDP IP Output
- ✓ Broadcast quality
- ✓ H.264 and MPEG2 video encoding
- ✓ MPEG1 Audio Layer 2, LC-AAC and HE-AAC (V2) audio encoding
- ✓ PSI/SI editing and inserting
- ✓ Ultra low bit rate encoding
- ✓ IP null packet filter
- ✓ Real-time output bit-rate monitoring
- ✓ LCD / keyboard and NMS (Web/SNMP) operation
- ✓ Update device through NMS (Web/SNMP) port

The IRENIS EMU-8120 series 8-in-1 MPEG-2/H.264 SD Encoder is our professional SD audio & video encoding and multiplexing device with powerful functionality.

It has 8 independent channels of SD-SDI input interfaces. It supports MPEG-2 and H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC and HE-AAC audio encoding. Its each channel can reach an ultra low bit-rate.

Moreover, it has an ASI input and can multiplex the input TS with the 8 encoded SPTS to generate a MPTS output.

IRENIS EMU-8120 encoder accepts 8 channels digital SD video and audio signals.

Video encoding format is MPEG-2 or H.264.

The output is ASI and IP simultaneously in broadcast quality.



Technical specifications:

Function	H.264 / MPEG-2 Encoder & Multiplexer with 8x SD-SDI input, ASI and IP output
INPUT	
Video & Audio	8x SD-SDI input with embedded audio 1 ASI input, BNC interface
Audio	Analog stereo audio (balanced), XLR interface Analog stereo audio (unbalanced), BNC interface AES / EBU digital audio, XLR interface SD-SDI embedded audio
VIDEO	
Resolution	PAL: 720*576/352*288/320*240/320*180/176*144/160*120/160*90@50Hz
Encoding	MPEG-2 / H.264
Bitrate	0.25~15 Mbps for H.264 encoding 0.5~15 Mbps for MPEG-2 encoding
Advanced Pretreatment	De-interlacing, noise reduction, sharpening
AUDIO	
Encoding	MPEG1 Audio Layer 2, LC-AAC, HE-AAC V2
Sampling rate	48 kHz
Bitrate	32kbps ~ 384 kbps (each channel)
MULTIPLEXING	1 ASI input multiplexed with local 8 channels of TS
OUTPUT	
ASI	2-way ASI output, BNC interface
IP	MPTS / 8 SPTS over UDP, 10/100 Base-T Ethernet interface (UDP unicast / multicast)
SYSTEM	
Control	LCD/keyboard, network management (NMS), English menu, Ethernet software & hardware upgrade
GENERAL	
Dimensions	482mm × 455mm × 44.5mm, 19" 1U, 4 kg
Power	AC 110V±10%,50/60Hz or AC 220V±10%, 50/60Hz, Consumption: 25 W
Temperature	0~45°C (operation), -20~80°C (storage)