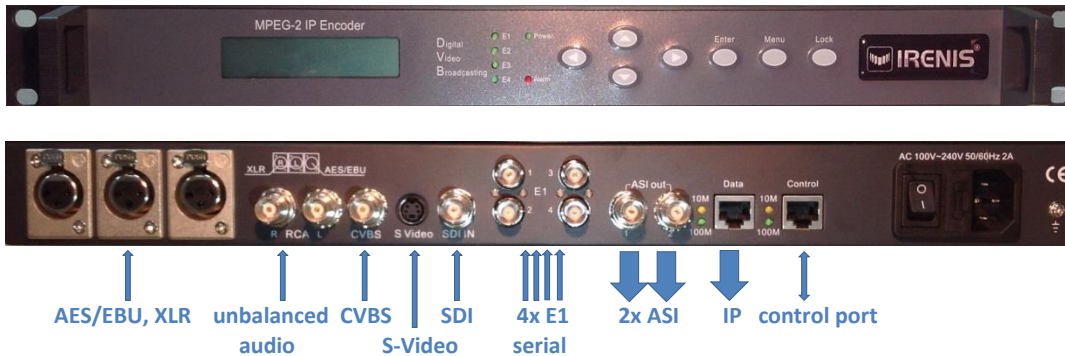


MPEG-2 Encoder with ASI & IP Output



- ✓ TS over UDP unicast / multicast output
- ✓ 2x ASI outputs
- ✓ Broadcast quality
- ✓ MPEG-2 video encoding, advanced video pre-processing algorithms
- ✓ MPEG-1 Audio Layer 2
- ✓ Supports composite, S-Video analog video input
- ✓ Supports SD-SDI digital video input
- ✓ Supports balanced and unbalanced analog audio inputs
- ✓ Supports AES/EBU, SD-SDI digital audio input
- ✓ Supports PAL, NTSC SD video formats
- ✓ LCD / keyboard, network management (NMS)
- ✓ Broadcast quality

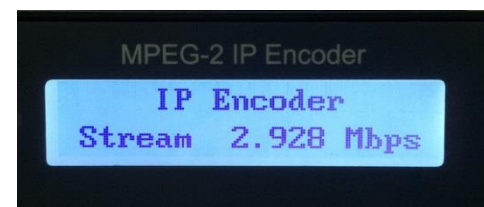
MPE 2000 MPEG-2 Encoder (with IP) is a professional audio & video encoding device with powerful function. This device can support a variety of analog and digital audio and video input interface, say, the video input interfaces include the CVBS, S-Video and SDI, and audio input interfaces include the balanced and unbalanced analog input interface, the analog audio input interface (XLR) and digital audio input interfaces (AES/EBU). Moreover, this encoder can encode the SD audio & video which format is MPEG-2. In conclusion, its high compatibility and excellent encoding quality makes this device widely be used in a variety of digital broadcasting system.

IRENIS MPE-2000 encoder accepts a variety of analog and digital SD video and audio signals.

Video encoding format is MPEG-2.

The output is ASI and IP simultaneously in broadcast quality.

The IP output can be connected to internet or metroethernet and send live video directly to distant satellite uplink stations and multiplexing sites.



Live ts output with adjustable bitrate



ASI output, IP port of live stream, control port

Technical specifications:

Function	MPEG-2 Encoder with ASI and IP output
INPUT	
Video	Analog composite video (CVBS), BNC interface S-Video interface SD-SDI, 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	D1: 720×480_59.94i, 720×576_50i ¾ D1: 544×480_59.94i, 544×576_50i HD1: 352×480_59.94i, 352×576_50i 2/3 D1: 480×480_59.94i, 480×576_50i SIF: 352×240_59.94i, 352×288_50i
Encoding	MPEG-2 MP@ML
Bitrate	0.8 Mbps ~ 20 Mbps
Rate Control	CBR / VBR
GOP Structure	IIII, IPPP, IBPB, IBBP
Advanced Pretreatment	De-interlacing, noise reduction, sharpening
AUDIO	
Encoding	MPEG-1 Layer 2
Sampling rate	48KHz, 44.1KHz, 32KHz
Resolution	24-bit
Bitrate	64 kbps ~384 kbps
OUTPUT	
ASI	2-way ASI output, BNC interface
IP	TS output over UDP,10/100Base-T Ethernet interface (UDP unicast / multicast)
SYSTEM	
Control	LCD/keyboard, network management (NMS), English menu
GENERAL	
Dimensions	482mm × 455mm × 44.5mm, 19" 1U
Power	AC 110V±10%,50/60Hz or AC 220V±10%,50/60Hz
Temperature	0~45°C (operation), -20~80°C (storage)



Unbalanced audio and CVBS video connection



ASI output connections



SDI input connection



Analog and digital audio