

## 4 or 8x HD-SDI Encoder + Mux with ASI+IP Output



- ✓ 4 or 8x HD-SDI/SD-SDI video inputs
- ✓ ASI input to add encoded TV Services to an existing TS
- ✓ 4 or 8 SPTS and 1 MPTS output
- ✓ 2 parallel ASI outputs as copy of the MPTS
- ✓ Broadcast quality
- ✓ Supports MPEG4 AVC/H.264 video encoding format
- ✓ Supports MPEG1 Layer II, LC-AAC and HE-AAC (V2) audio encoding formats
- ✓ Gigabit Ethernet IP output over UDP and RTP/RTSP, 4/8x SPTS + 1 MPTS
- ✓ Ultra low bit rate encoding.
- ✓ Null PKT Filter function
- ✓ PID Remapping
- ✓ PCR accurate adjusting
- ✓ Real-time output bit-rate monitoring.
- ✓ PSI/SI editing Control via web management
- ✓ Management via WEB-IF or Front Panel, easy updating by web-interface

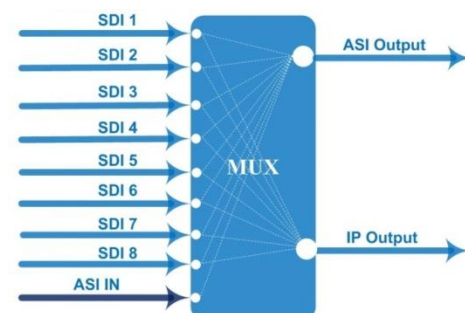
BLANKOM EMU-4220/  
EMU-8220 series  
4-in-1 or 8-in-1  
H.264 HD Encoder is our  
professional SD and HD  
audio & video encoding  
and multiplexing device  
with powerful  
functionality.

It has 4 or 8 independent  
channels of HD-SDI and  
SD-SDI input interfaces.

It supports H.264 video  
encoding and MPEG-1  
Audio layer 2, LC-AAC and  
HE-AAC (v2) 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 4/8  
encoded SPTS to generate  
a MPTS output.

*BLANKOM EMU-4220/EMU-8220 encoder accepts  
4 or 8 channels  
digital HD and SD video and audio signals.  
Video encoding format is H.264.  
The output is ASI and IP simultaneously in  
broadcast quality.*



Technical specifications:

Function	H.264 Encoder & Multiplexer with 4 or 8x HD-SDI input, ASI and IP output
INPUT	
Video & Audio	4x (EMU-4220) or 8x (EMU-8220) HD-SDI input with embedded audio 1 ASI input, BNC interface
VIDEO	
Resolution	1920×1080_60P, 1920×1080_50P, 1920×1080_60i, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i
Encoding	H.264 / MPEG-4 AVC
Bitrate	0.8~19 Mbps
Rate Control	CBR/VBR
GOP Structure	IBBP
Advanced Pretreatment	De-interlacing, noise reduction, sharpening
Low delay	50-500 ms available
AUDIO	
Encoding	MPEG1 Audio Layer 2 - LC-AAC, HE-AAC V2 (optional)
Sampling rate	48 kHz
Bitrate	64 kbps ~ 384 kbps (each channel)
Audio gain	0-400
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, Management via WEB-IF or Front Panel, easy updating by web-interface, English menu.
GENERAL	
Dimensions	440mm × 410mm × 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)

