

ENCODER MODULATOR

Optronix 8 in 1 MPEG-2 H.264 SD Encoder is professional SD audio & video encoding and multiplexing device with powerful functionality. It has 8 independent channels of unbalanced audio & video input interfaces, supporting MPEG-2 and H.264 encoder type. Furthermore, it can support the MPEG-1 Audio layer 2, LC-ACC, HE-AAC, and each channel can support ultra low bit-rate (0.25~15Mbps for H.264 encoding, and 0.5~15Mbps for MPEG-2 encoding). Moreover, it has an ASI input and can multiplex the input TS with the 8 encoded SPTS to generate a MPTS output, and users can select the MPTS and 8SPTS through the front panel operation.

FEATURES

- ✳ MPEG2 low bit rate encoding.
- ✳ 720*576 (PAL), 720*480 (NTSC).
- ✳ 4* CVBS in, 1*ASI in.
- ✳ LCN support (Logical Channel Number).
- ✳ Excellent modulation quality MER=42dB.
- ✳ RF Frequency range: 30Mhz~960Mhz.
- ✳ LCD window, Remote control and firmware.
- ✳ Updates via web/Ethernet.

LOCAL CHANNEL INSERTER
(FOR 4/8 CHANNEL)



SPECIFICATIONS

INPUT	
4 / 8 CVBS input (HDMI/SDI/RF)	
1xASI input, BNC interface	
ENCODING SECTION	
VIDEO	
Encoding	MPEG-2 MP@ML (4:2:0)
Input	CVBS 2 / 4 / 8
Resolution	720*576(PAL), 720*480(NTSC)
AUDIO	
Encoding	MPEG 1 Layer II
Sample rate	48KHz
Bit rate	64kbps, 95 kbps, 128 kbps, 192kbps, 256 kbs, 320 kbps
MODULATOR SECTION	
Standard	DVB-C
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM,
Code Rate	1/2, 1/2, 3/4, 5/6, 7/8

Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission Mode	2K, 8K
MER	≥ 42dB
RF Frequency	30~960 MHz, 1 KHz step
RF Output level	-30~10dBm(81~95dbμV), 0.1 db step
STREAM OUTPUT	
1*RF	
2xASI outputs, BNC interface	
MPTS over UDP, 10/100 Base-T Ethernet interface (UDP unicast/multicast)	
INTERFACE	
Local Interface	LCD+control buttons
Remote management	Web NMS
Language	English
GENERAL	
Power Supply	AC 100V~240V
Dimensions	482*382*44.5mm
Weight	4.5 kgs
Operation temperature	0~45°C

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