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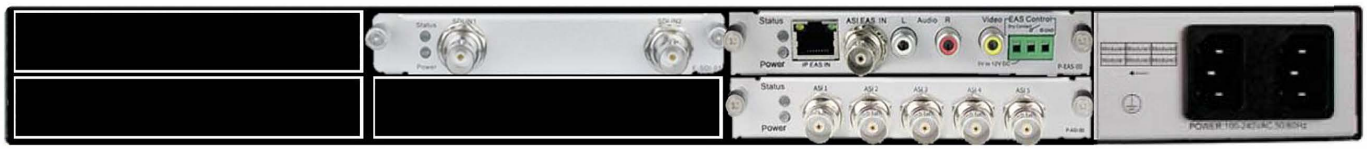
LPTVBA-02 2 Program MPEG 2/4 Encoder SDI In, EAS, Dual P/S, ATSC Tables for LPTV



Our LPTVBA-02 encoder has been designed specifically for the Low Power TV broadcaster so they can optimize the ATSC bandwidth of 19.4 Mbit's with **up to 8 Programs** in MPEG 2.

The encoder uses ATSC tables and has an ASI multiplexed output so it can easily connect to the 8VSB LPTV Transmitter. The chassis features dual Power supplies for redundancy and is modular in design. The chassis has four RJ-45 Ethernet ports with two for management and two for content if needed. We have one dual input SDI encoder module with an encode rate from 1 to 18 Mibt's in MPEG 2 or H.264, up to 3 additional SDI modules can be added. An onboard EAS module supports Digital EAS Triggering via the SCTE-18 protocol or by a standard contact closure. The ASI module has 5 ASI ports (BNC) with two for Output and three for input if needed. This all in a 1 RU (1.75") chassis.

Features:

- 1 RU Chassis
- 2 SDI Inputs
- 2 ASI Outputs
- Dual Power Supplies
- ATSC Tables
- SD or HD content
- Separate control of each SDI input
- Specifically configured for LPTV stations
- MPEG2 or H.264
- 2 Audio pairs per SDI
- RJ45 jacks for remote control or IP output
- 1 to 18 Mbit's encode rate
- EAS enabled
- 3 Open Card Slots

Dual SDI Encoder Module Model OHE6-SDI-01

One additional SDI module
(2 channel input per card)
is needed to increase channels up to
8 (3 additional cards maximum)

LPTV BROADCASTERS ASSOCIATION

LPTV Broadcasters Association Contact: 866-759-8750

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SPECIFICATIONS

Chassis
1RU with 6 slots for hot-swappable modules
Dual redundant power supplies
Service-level multiplexing
4 x Gigabit RJ45 (embedded): ●MPEG TS over UDP/RTP multicast/unicast SPTS/MPTS ●Max. 120 inputs and 120 outputs

EAS	
Input	Digital EAS input (SCTE-18) via 1 × RJ45 port Analogue EAS input via 3PIN contact closure CVBS input via 1 × RCA connector Audio L/R input via 2 × RCA connector TS input via 1 × BNC connector
Video	H.264 SD: MP/HP@L3.0 MPEG-2 SD: MP @ML (By default)
Resolution	SD: 480i59.94
ASI	500Kbps to 100Mbps
Contact Closure	3PIN Connector with Dry Contact or 5~24V DC input for EAS trigger
RJ45	10/100M Ethernet for SCTE-18 digital EAS input
Bitrate Control	CBR
Bitrate	5,00~8,000Kbps
GOP Structure	IBBP, IPPP, IBP
GOP Size	6~63
Audio	MPEG-1 Layer II, AC3, AAC
Audio Mode	Stereo (2.0, including downmix)
Sampling Rate	48kHz
Power Consumption	Max. 5.5W

SDI	
Input	2 channels via 2 SDI SDI via BNC connector
Video	H.264/AVC HD: MP/HP@L4.0, SD: MP/HP@L3.0 MPEG-2 SD: MP @ML HD: MP@HL
Resolution	SD: 576i50, 480i59.94 HD: 1080p-25/30/50/59.94/60, 1080i-50/60 720p-50/60 *The maximum output resolution is 1080i60.
Bitrate Control	CBR
Bitrate	1,000~18,000Kbps
GOP Structure	IBBP, IPPP, IBP
GOP Size	6~63
Audio	MPEG-1 Layer II, AC3, AAC
Audio Pair	2 audio pairs
Audio Mode	Stereo (2.0, including downmix)
Sampling Rate	48kHz
Power Consumption	Max. 16W

ASI	
Connector	5*ASI port, BNC female
Bit rate	500Kbps to 150Mbps
Reception mode	Byte mode(Continuous mode) Packet mode (Burst mode)
Transmission mode	Byte mode(Continuous mode)
Packet Length	188 Bytes or 204 Bytes
Working mode	3 ASI input ports, 2 ASI output ports by default, each port can be redefined as ASI input or ASI output port
Multiplexing	Support PSI/SI or PSIP table regeneration PID filtering External PID insertion
Tables	CVCT or TVCT

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