TL-9542 1-SDI TO 4-ATSC ENCODER MODULATOR

TL-9542 series products integrate encoding, multiplexing and modulation to convert V/A signals into digital RF output. It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules (HDMI/CVBS/SDI/YPbPr/…) as needed. To meet customers' various requirements, TL-9542 is also equipped with 1 ASI input for re-mux, and output with 2 ASI ports and 1 IP port.
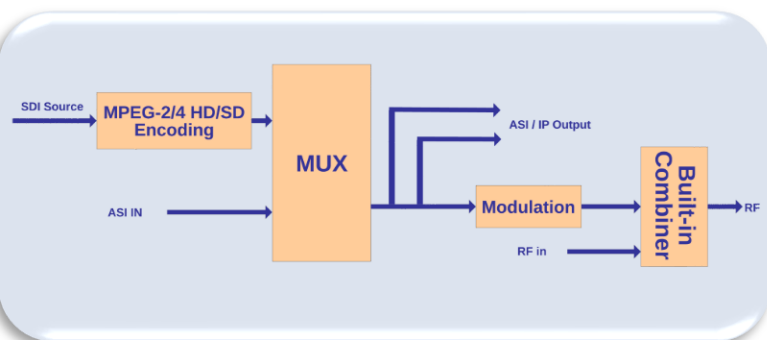
The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, antenna etc. Its output signals are to be received by TVs, STB etc., with corresponding standard.

With its various inputs available, our TL-9542 series products are wildly used in public places such as metro, market hall, theatre, hotels, resorts, etc., for advertising, monitoring, training and educating in companies, schools, campuses, hospitals, etc. It's a good choice to offer additional info channels.

KEY FEATURES

- 1 SDI input, 1*ASI in for re-mux; 1*RF$_{in}$ for RF mix
- MPEG2 HD/SD & MPEG4 AVC H.264 HD/SD video encoding
- MPEG4-AAC; MPEG2-AAC; MPEG1 Layer 2 and Dolby Digital AC3 2.0 (optional) audio encoding
- Huge video buffer, free to switch video sources
- Dialog Normalization (optional)
- Supports CC (closed caption) (optional)
- Supports low delay encoding mode (optional)
- Supports VBR/CBR rate control mode
- Supports PSI/SI editing
- Supports PCR accurate adjusting
- Supports PID re-mapping and passthrough
- Digital ATSC RF out and ASI out; IP out
- VCT (Virtual Channel Table)
- Modular design, pluggable encoding modules
- LCD display, remote control and firmware
- Web-based NMS management; Updates via web

SPECIFICATIONS

Encoding Section - Video	
Encoding	MPEG2; MPEG4 AVC/H.264
Interface	SDI*1
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only) 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i
Low Delay	Normal, Mode 1, Mode 2
Aspect Ratio	4:3; 16:9
Bit Rate	1-19.5Mbps
Rate Control	VBR/CBR
Chroma	4:2:0
Encoding Section - Audio	
Encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC and Dolby Digital AC3 2.0 (optional)
Sample rate	48KHz
Bitrate	64/96/128/ 192/256/320kbps
Modulation Section - ATSC	
Standard	ATSC A/53
Constellation	8 VSB
RF output level	-26 ~ -10dbm (81 ~ 97dbμV), 0.1db step
MER	≥42dB
RF frequency	30 ~ 960MHz, 1KHz step
RF output	1*ATSC 4*ATSC carriers combined output (optional)
Encoding Section - Audio	
Local interface	LCD + control buttons
Remote management	Web NMS
Stream Out	2 ASI mirrored out (BNC type, 100M) IP (4 SPTS+1MPTS) over UDP, RTP/RTSP out, RJ45, 100M (MPTS is available for DVB-C/ATSC out versions)
NMS interface	RJ45, 100M
Language	English
Encoding Section - Audio	
Power supply	AC 100V ~ 240V
Dimensions	482*300*44mm
Weight	4.5 kg
Operation temperature	0 ~ 45°C