



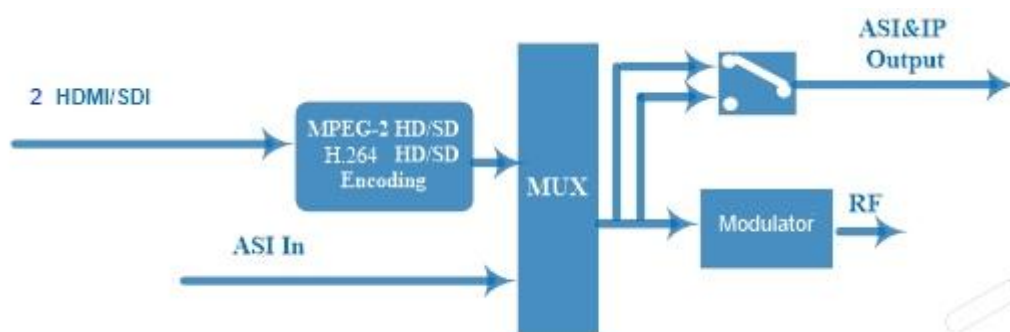
ADV-8502 is high quality 2-Channel professional video/audio encoder/modulator.

It has 2 independent encoding channels with choice of SDI with embedded audio or HDMI with embedded audio inputs.

It supports MPEG-2 and H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC, HE-AAC and Dolby Digital AC3 audio encoding.

ADV-8504 has one ASI input, 2 ASI outputs (mirrored) and IP output port. Two encoding programs can be output as 2 SPTS or one MPTS.

It also has digital modulator (choice of DVB-C/DVB-T/ATSC/ISDB-T) and outputs RF channels.



Key Features

- Choice of 2 SDI or 2 HDMI video inputs with embedded audio
- H.264/MPEG-4 AVC and Mpeg2 HD/SD video encoding, VBR/CBR
- Input/output resolution – up to 1080p
- MPEG1 Layer 2, LC-AAC, HE-AAC, Dolby Digital AC3 audio encoding
- ASI input for re-mux, ASI multiplexed output (MPTS)
- Built-in multiplexer
- IP outputs (MPTS and 2 SPTS) over UDP, RTP/RTSP
- CC (closed caption), EIA 608 and EIA 708 for SDI interface
- Low Latency function
- PSI/SI editing and inserting, PID re-mapping, IP null packet filter
- Choice of DVB-C/DVB-T/ATSC/ISDB-T output
- RF output frequency range: 50 MHz – 960 MHz
- Excellent modulation quality: MER \geq 42dB
- Supports EAS control for DVB-C and ATSC
- Supports LCN (Logical Channel Number) – for DVB-C/DVB-T/ISDB-T modulation
- Supports VCT (Virtual Channel Table) – for DVB-C/ATSC modulation
- LCD / keyboard and Web-based NMS control



ADV-8502-S - 2-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 SDI inputs



ADV-8502-H - 2-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 HDMI inputs

Ordering Info

ADV-8502-S - 2-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 SDI inputs

Note: Please indicate required type of modulation

ADV-8502-H - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 HDMI inputs

Note: Please indicate required type of modulation

Technical Specifications

Encoding section		Guard Interval	1/32, 1/16, 1/8, 1/4
Video		Transmission Mode:	2K, 8K
Encoding	MPEG2, MPEG4 AVC/H.264	MER	≥42dB
Input	HDMI*2 or SDI*2	RF frequency	50~960MHz, 1KHz step
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only)	RF Out	2 carriers combined output; COFDM DVB-T out
	1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i	RF output level	-20~ +3dbm, 0.1db step
		ATSC	
Low delay	Normal, mode 1 mode 2	Standard	ATSC A/53
Bit rate	0.5~19.5Mbps for H.264 1~19.5Mbps for MPEG-2	MER	≥42dB
Rate Control	CBR/VBR	RF frequency	4 carriers combined output; 50~960MHz, 1KHz step
Chroma	4:2:0	RF output level	-20~+3dbm, 0.1db step
Aspect Ratio	16:9, 4:3	Constellation	8VSB
Audio		ISDB-T	
encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 2.0	Standard	ARIB STD-B31
Sample rate	48KHz	Bandwidth	6M
Bit rate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps	Constellation	DQPSK, QPSK, 16QAM, 64QAM
		Guard Interval	1/32, 1/16, 1/8, 1/4
		Transmission Mode	2K, 4K, 8K
		MER	≥42dB
		RF output	1 ISDB-T; 50~960MHz, 1KHz step
		RF output level	-20~ +3dbm, 0.1db step
Modulator Section		System	
DVB-C		Local interface	LCD + control buttons
Standard	J.83A , J.83B, J.83C	Remote management	Web NMS
MER	≥42dB	Stream input/output	1 ASI input and 2 ASI outputs (mirrored), (BNC type)
RF frequency	4 carriers combined output; 50~960MHz, 1KHz step		1 IP (2*SPTS and 1 MPTS) out over UDP, RTP/RTSP (RJ45, 1000M)
RF output level	-20~ +3dbm, 0.1db step	NMS interface	RJ45, 100M
Symbol rate	3.000~9.000Msps adjustable	General	
J.83A		Power supply	AC 100V~240V
Constellation	16/32/64/128/256QAM	Dimensions	482*242*44mm
bandwidth	8M	Weight	4.5 kgs
J.83B/ J.83C		Operation	0~45°C
Constellation	64QAM/ 256QAM	temperature	
bandwidth	6M		
DVB-T			
Standard	EN300744		
Bandwidth	6M, 7M, 8M		
Constellation	QPSK, 16QAM, 64QAM,		
Code rate	1/2, 2/3, 3/4, 5/6, 7/8.		