



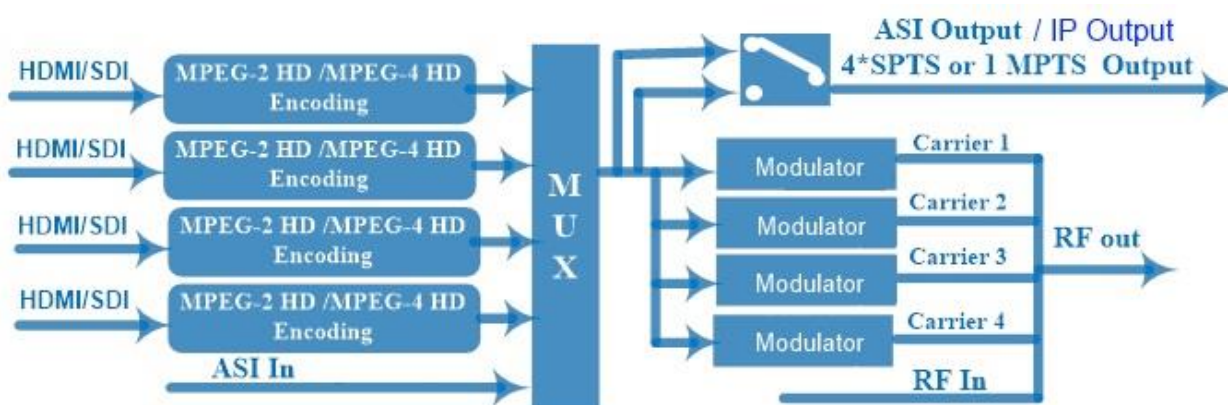
ADV-8504 is high quality 4-Channel professional video/audio encoder/modulator.

It has 4 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 and IP output port. Four encoding programs can be output as 4 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 4 SDI or 4 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 4 SPTS) over UDP, RTP/RTSP
- CC (closed caption), EIA 608 and EIA 708 for SDI interface
- Low Latency function
- PSI/SI editing and inserting, IP null packet filter
- Choice of DVB-C/DVB-T/ATSC/ISDB-T output
- RF output frequency range: 30 MHz – 960 MHz
- Excellent modulation quality: MER \geq 42dB
- Supports EAS control for DVB-C and ATSC
- Supports LCN (Logical Channel Number)
- LCD / keyboard and Web-based NMS control



ADV-8504-S - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 4 SDI inputs



ADV-8504-H - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 4 HDMI inputs



ADV-8504-SH - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 SDI and 2 HDMI inputs

Ordering Info

ADV-8504-S - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 4 SDI inputs

Note: Please indicate required type of modulation

ADV-8504-H - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 4 HDMI inputs

Note: Please indicate required type of modulation

ADV-8504-SH - 4-channel H.264/MPEG-2 HD/SD encoder/modulator with 2 SDI and 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*4 or SDI*4	RF frequency	30~960MHz, 1KHz step
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	RF Out	2 carriers combined output; COFDM DVB-T out
Low delay	Normal, mode 1 mode 2	RF output level	-30~ -10dbm (77~97 dbμV), 0.1db step
Bit rate	0.5~19.5Mbps for H.264 1~19.5Mbps for MPEG-2	ATSC	
Rate Control	CBR/VBR	Standard	ATSC A/53
Chroma	4:2:0	MER	≥42dB
Aspect Ratio	16:9, 4:3	RF frequency	4 carriers combined output; 30~960MHz, 1KHz step
Audio		RF output level	-26~-10dbm (81~97dbμV), 0.1db step
encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 2.0	Constellation	8VSB
Sample rate	48KHz	ISDB-T	
Bit rate	64kbps, 96kbps,128kbps, 192kbps, 256kbps, 320kbps	Standard	ARIB STD-B31
Modulator Section		Bandwidth	6M
DVB-C		Constellation	DQPSK,QPSK, 16QAM, 64QAM
Standard	J.83A , J.83B, J.83C	Guard Interval	1/32, 1/16, 1/8, 1/4
MER	≥42dB	Transmission Mode	2K, 4K, 8K
RF frequency	4 carriers combined output; 30~960MHz, 1KHz step	MER	≥42dB
RF output level	-30~ -10dbm(77~97 dbμV), 0.1db step	RF frequency	1/2 carriers combined output; 30~960MHz, 1KHz step
Symbol rate	5.000~9.000Msps adjustable	RF output level	-30~ -10dbm (77~97 dbμV), 0.1db step
J.83A		System	
Constellation	16/32/64/128/256QAM	Local interface	LCD + control buttons
bandwidth	8M	Remote management	Web NMS
J.83B/ J.83C		Stream input/output	1 ASI input and 1 ASI out (BNC type)
Constellation	64QAM/ 256QAM	NMS interface	1 IP (4*SPTS or 1 MPTS) out over UDP, RTP/RTSP (RJ45, 100M)
bandwidth	6M	General	
DVB-T		Power supply	AC 100V~240V
Standard	EN300744	Dimensions	420*400*44mm
Bandwidth	6M, 7M, 8M	Weight	4.5 kgs
Constellation	QPSK, 16QAM, 64QAM,	Operation	0~45°C
Code rate	1/2, 2/3, 3/4, 5/6, 7/8.	temperature	