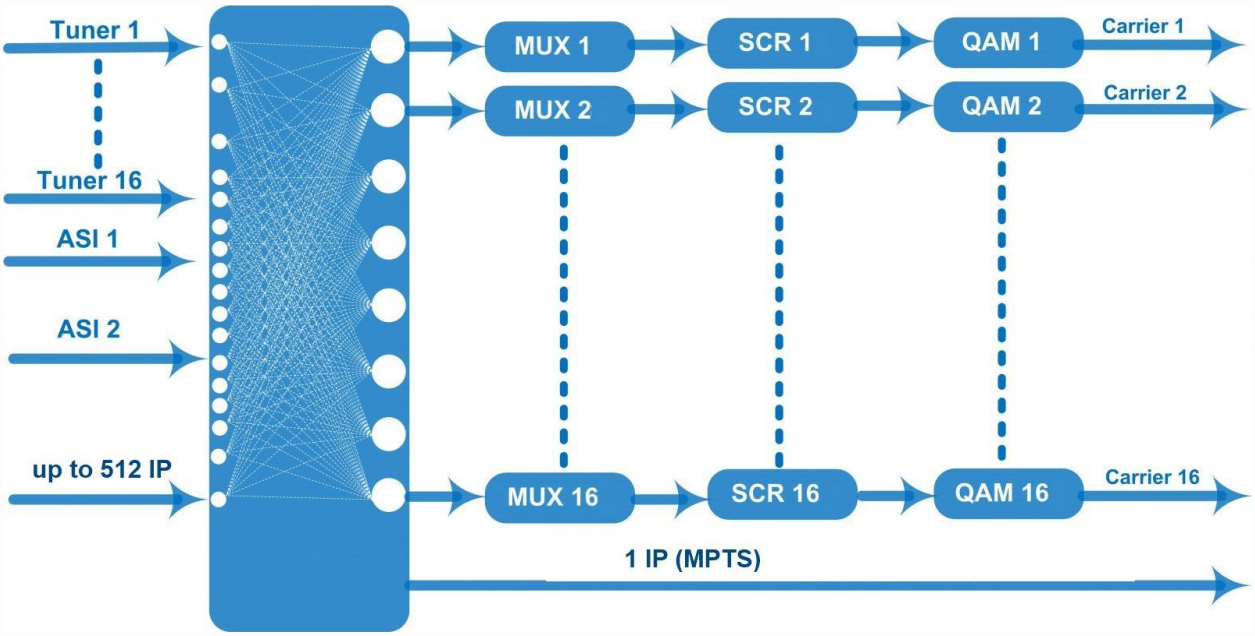
The ADV-8916 is a broadcast QAM modulator designed for full compliance with QAM (DVB-C) modulation standards. It has 16 RF tuners (choice of DVB-S/S2/S2X, DVB-C, DVB-T/T2, ATSC, ISDB-T) inputs, 16 multiplexing channels, 16 scrambling channels and 16 QAM (DVB-C) modulating channels. It supports up to 512 IP inputs through its onboard GE port, as well as 2 ASI input ports.



Main Features:

- 16 RF tuners (choice of DVB-C, DVB-T/T2, DVB-S/S2/S2X, ATSC, ISDB-T)
- 2 ASI inputs
- Up to 512 IP inputs, UDP/RTP
- 16 DVB-C QAM RF output channels
- 1 IP(MPTS) output over UDP and RTP/RTSP, as mirror of one carrier
- Excellent RF output performance, MER≥40db
- 16 channels multiplexing+16 channels scrambling +16 channels QAM modulation
- Accurate PCR adjustment
- PSI/SI re-generation and insertion
- Web Network management

Ordering Info

ADV-8916S - 16-channel QAM modulator with 16 DVB-S/S2/S2X tuners

ADV-8916C - 16-channel QAM modulator with 16 DVB-C tuners

ADV-8916T - 16-channel QAM modulator with 16 DVB-T/T2 tuners

ADV-8916A - 16-channel QAM modulator with 16 ATSC tuners

ADV-8916I - 16-channel QAM modulator with 16 ISDB-T tuners

Detailed Specifications

Input	16 RF tuners (choice of DVB-C, DVB-T/T2, DVB-S/S2/S2X, ATSC, ISDB-T)			
	Up to 512 IP inputs through 100/1000Base-T Port, UDP/RTP			
	2 ASI input, BNC interface			
Tuner Section	Multi-mode tuners, user selectable	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C
			Input Frequency	30 MHz~1000 MHz
			Constellation	16/32/64/128/256 QAM
		DVB-T/T2	Input Frequency	30MHz ~999.999 MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T	Input Frequency	170~860MHz
	DVB-S		Input Frequency	950-2150MHz
			Symbol rate	0.5~45Mbauds
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Constellation	QPSK
			Max input bitrate	⩽129 Mbps
	DVB-S2		Input Frequency	950-2150MHz
			Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 32APSK: 0.5~40Msps;
			FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK, 16APSK, 32APSK
			Max input bitrate	≤129 Mbps
	DVB-S2X		Input Frequency	950-2150MHz
			Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 8APSK/32APSK: 0.5~40Msps
			FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10,

			1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36 , 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9
		Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK
		Max input bitrate	≤129 Mbps
	ATSC	Input Frequency	30MHz~1000MHz
		Bandwidth Constellation	6M 8VSB
Multiplexing	Maximum PID Remapping	360 per channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjustment	
		Automatic PSI/SI table generation	
Scrambling Parameters	Max simulscrypt CA	4	
	Scrambling Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote	
Modulation	QAM Channels	16 non-adjacent carriers	
	Standard	EN300 429/ITU-T J.83A/B	
	MER	≥40db	
	RF output frequency	50~960MHz, 1KHz step	
	RF output level	-20~+10dbm(87~107 dbμV),0.1db step	
	Symbol Rate	5.0Msps~7.0Msps, 1ksps step	
	Constellation	J.83A	J.83B
		16/32/64/128/256QAM	64/256 QAM
	Bandwidth	8M	6M
Outputs	RF output (F type interface)		
	1 IP (MPTS) output over UDP and RTP/RTSP (GE1), as mirror of one carrier		
System	Remote management (WEB)		
	Software upgrade (WEB)		
General	Dimensions (W*D*H)	482mm×300mm×44.5mm	
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)	
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ	