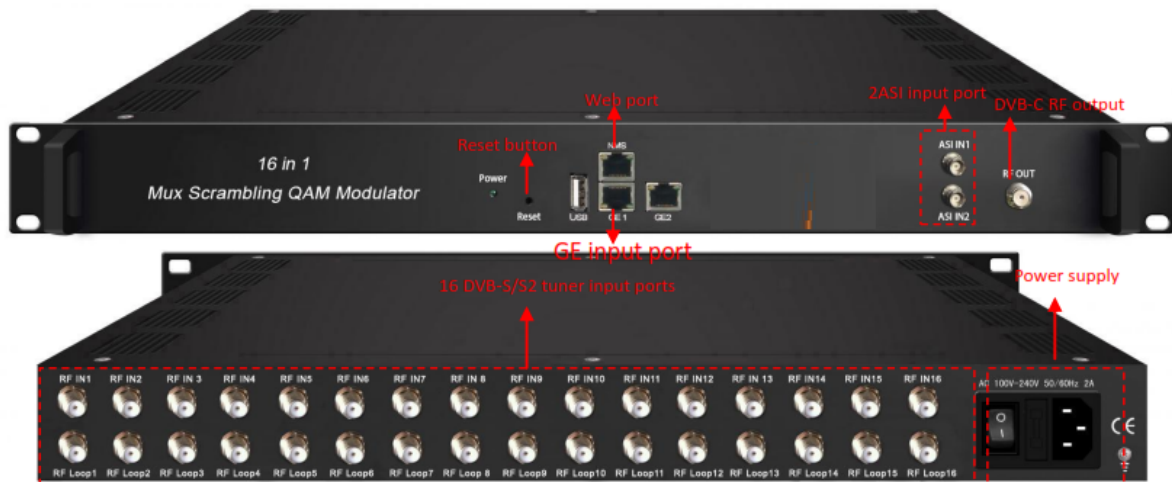# CLEARVIEW

KR439C	16 x DVBS2 to QAM TDT

Outline

KR439C is a high performance and cost-effective QAM modulator designed by ClearView. It has 16 DVB-S/S2 FTA tuner input, 16 groups multiplexing, 16 groups scrambling and 16 groups QAM modulating, and supports maximum 512 IP input through GE1 port and 16 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. To meet customers' various requirements, this device is also equipped with 2 ASI input ports.

KR439C is also characterized with high integrated level, high performance and low cost. It supports dual power supply (optional). This is very adaptable to newly generation CATV broadcasting system.

Key Features

● **16 DVB-S/S2 FTA Tuner + 2 ASI input+512 IP (GE1 only) input over UDP and RTP protocol**

- **16*DVB-C RF output**

- **Excellent RF output performance index, MER≥40db**

- **Supports 16 groups multiplexing+16 groups scrambling +16 groups QAM modulating**

- **Supports accurate PCR adjusting**

- **Supports PSI/SI editing and inserting**

- **Supports Web management, Updates via web**

- **Supports dual power supply (optional)**

Specifications

Input	16 DVB-S/S2 FTA Tuner		
	512 IP (GE1only)input over UDP and RTP protocol		
	2 ASI input, BNC interface		
Tuner Section	DVB-S	Input Frequency	950-2150MHz
		Symbol rate	2-45Msps
		Signal Strength	-65~-25dBm
		FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8 QPSK
	DVB-S2	Input Frequency	950-2150MHz
		Symbol rate	QPSK 1~45Mbauds 8PSK 2~30Mbauds
		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
		Demodulation Mode	QPSK, 8PSK
Multiplexing	Maximum PID Remapping	128per input channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/SI table automatically	
Scrambling Parameters	Max simulscrypt CA	4	
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote connection	
Modulation	QAM Channel	16	
	Standard	EN300 429/ITU-T J.83A/B	
	MER	≥40db	
	RF frequency	50~960MHz, 1KHz step	
	RF output level	-20~+10dbm(87~107 dbμV),0.1db step	
	Symbol Rate	5.0Msps~7.0Msps, 1ksps steps	
	Constellation	16/32/64/128/256QAM	
		J.83A	J.83B
	Constellation	16/32/64/128/256QAM	64/256 QAM

	Bandwidth	8M	6M
System	Local interface	LCD + control buttons	
	Remote management	Web NMS（10M/100M）	
	RF Out	16 DVB-C output	
	Language	English and Chinese	
	Software Upgrading	Web	
General	Dimension (W*D*H)	482mm×300mm×44.5mm	
	Weight	3.7kg	
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)	
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ	
	Consumption	25W	

Working Principle