

FUTV4443D 4 in 1 Mux-Scrambling QAM Modulator



Outline

FUTV4443D is a high performance and cost-effective mux-scrambling QAM modulator designed by FMUSER. It has 8 Tuner and 6 ASI inputs. After multiplexing, scrambling and QAM modulating process, then it gives 4 RF output. To meet customers' various requirements, this device is also equipped with RF input port for mix and IP port to output 4 MPTS.

The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation CATV broadcasting system.

Key Features

- * Input : 8 DVB-C/S/S2 Tuner + 6 ASI input ports (Version 1)
4 DVB-C/S/S2 Tuner + 6 ASI + 2 IP input port (Version 2)
- * Fully support DVB-C (EN300 429) and ITU-T J.83A/B/C
- * Fully support DVB general scrambling system description ETR289, simulcrypt standard ETSI 101 197 and ETSI 103 197
- * Support 4 channels multiplexing+4 channels scrambling+4 channels QAM modulating
- * Support accurate PCR adjusting
- * Support PSI/SI editing and inserting
- * Excellent RF output performance index, MER 40db
- * Support 4*MPTS output over UDP
- * Support LCD display and keyboard
- * Support Web management, Updates via web and USB

Specifications

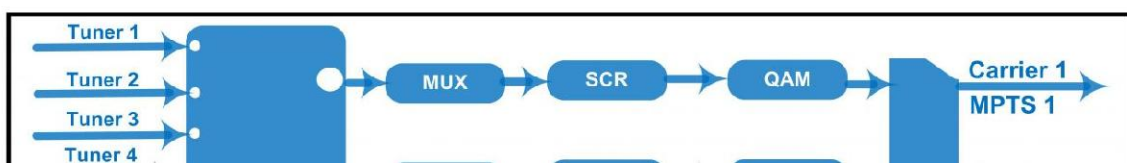
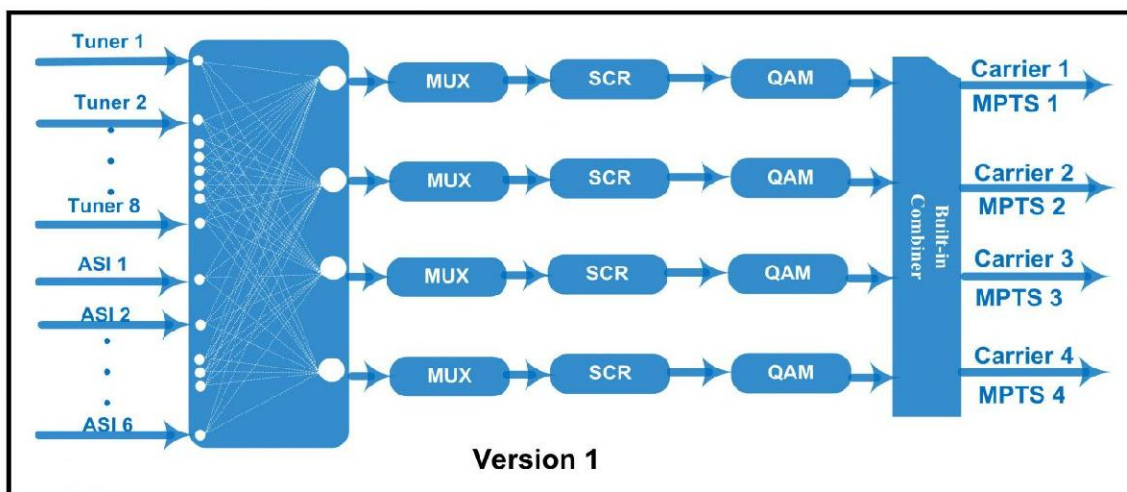
Input	8 DVB-C/S/S2 Tuner + 6 ASI input -----Version 1		
	4 DVB-C/S/S2 Tuner + 6 ASI + 2 IP input -----Version 2 2 IP(SPTS/MPTS) input over UDP, RJ45, 1000M, Unicast/Multicast		
Tuner	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C

Section		Input Frequency	30MHz-1000Mhz
		Constellation	16/32/64/128/256 QAM
	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	Maximum	4	

	simulcrypt CA			
	Standard	ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
Modulation	QAM Channel	4		
	Standard	EN300 429/ITU-T J.83A/B/C		
	MER	40db		
	RF frequency	30~999MHz, 1KHz step		
	RF output level	-20~0dbm(87~107 db μ V),0.1db step		
	Symbol Rate	5.0Msps~9.0Msps, 1ksps stepping		
	Constellation	16/32/64/128/256QAM		
		J.83A	J.83B	J.83C
	Constellation	16/32/64/128/256QAM	64/256 QAM	64/256 QAM
	Bandwidth	8M	6M	6M
System	Local interface	LCD + control buttons		
	Remote	Web NMS		

	management	
	Stream Out	4*MPTS over UDP out (RJ45, 1000M, Unicast/Multicast)
	Language	English and Chinese
	Software Upgrading	Web and USB
General	Dimension (W*D*H)	482mm×300mm×44.5mm
	Weight	3.7kg
	Temperature	0~45 (Operation) ; -20~80 (Storage)
	Power	AC 100V±10%50/60Hz; AC 220V±10%, 50/60HZ
	Consumption	25W

Working Principle



Order information

	Version 1	Version 2
8 Tuner input	Y	
4 Tuner input		Y
6 ASI input	Y	Y
2 IP input		Y