Foreword

ACE3542D S/S2 multi-input modulator all-in-one device which integrates demodulation, trans-mux and modulation in one case to convert signals into RF output. It is a 1-U case which supports 4 tuner inputs to receive signal from satellite, cable or terrestrial. To meet customers' various requirements, ACE3542D S/S2 is also equipped with 2 ASI input, and output with 2 groups separate ASI ports and 2 MPTS UDP IP port. The output modulated signals are to be received by TVs, STB and etc.

The USB port is designed to record encoded video (TS) and save it in ts files in the USB Keys or Hard Disks, and then the ts files can be playback through the USB port.

The four CAMs/CIs accompanied and BISS modules can descramble the programs input from 4 Tuner inputs. Its pluggable structure design greatly facilitates the change of modules (demodulator) as needed.

Features:

* Support accurate PCR adjusting
* Support PSI/SI editing and inserting
* PID Remapping
* Excellent RF output performance index, MER≥40db
* 2*DVB-T RF out or 4*DVB-C RF out optional;
* 2 separate ASI&IP (2*MPTS over UDP) mirror 2 RF output
* 4 CAM decrypt multiple programs from 4 Tuner input
* Support BISS descrambling
* Record encoded TS and playback TS files (*.ts) through USB port
* Support LCD display and keyboard
* Support Web management, Updates via web and USB

Specification:

Input		2 DVB-S/S2 Tuner (Optional) and 2 ASI input		
Tuner Section	DVB-S	Input Frequency	950-2150MHz	
		Symbol rate	1~45Mbauds	
		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/8PSK 1~45Mbauds	
		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		
Modulation	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C	
		MER	≥40dB	
		RF frequency	30~999MHz, 1KHz step	
		RF output level	-20~0dbm(87~107 dbμV),0.1db step	
		Symbol rate	5.0Msps-9.0Msps, 1ksps stepping	
		RF Out	4*DVB-C carriers output	
			J.83A	J.83B	J.83C
		Constellation	16/32/64/128/256QAM	64/256 QAM	64/256 QAM
		Bandwidth	8M	6M	6M
	DVB-T	Bandwidth	6M, 7M, 8M	
		Constellation	QPSK, 16QAM, 64QAM	
		Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
		Guard Interval	1/32, 1/16, 1/8, 1/4	
		Transmission Mode:	2K, 8K	
		MER	≥40dB	
		RF frequency	30~999MHz, 1KHz step	
		RF Out	2*DVB-T carriers output	
		RF output level	-20~0dbm(87~107 dbμV),0.1db step	
System	Local interface	LCD + control buttons		
	Remote	Web NMS		

	management	
	Stream Out	2 ASI out(BNC type)
		IP (2*MPTS over UDP) out (RJ45, 1000M)
	Language	English and Chinese
	Upgrading	Web and USB
General	Dimension	482mm×300mm×44.5mm(W*D*H)
	Weight	3.7kg
	Temperature	0~45C° (Operation) ; -20~80C° (Storage)
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ
	Consumption	25W

Application: