



DX3902A

DVBS/S2/S2X Receiver



Product Overview

DX3902A is our low cost device which integrates demodulation, de-scrambler and re-mux (DVBS/S2/S2X) in one case to convert tuner signals into IP output. It supports 2 tuner input, and 1 MPTS output with UDP and RTP protocol, and the CAM/CI accompanied with tuner to descramble the encrypted tuner signals. The CAM requires no unsightly external power cords, cables, or additional remote control device. BISS function is also embedded to descramble programs from input.

Key features

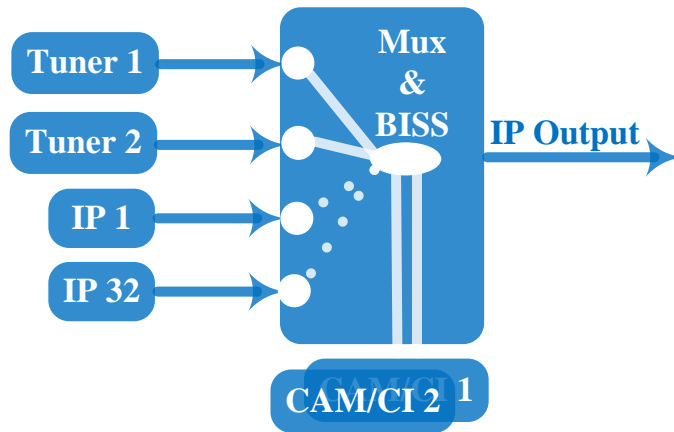
- **2 DVBS/S2/S2X Tuner inputs**
- **32 IP input(UDP/RTP) for re-mux**
- **Each CAM can decrypt multiple programs from Tuners**
- **Support BISS descrambling (Up to 120Mbps)**
- **IP (1 MPTS) over UDP and RTP output**
- **Support maximum 256 PID mapping per input channel**
- **Support Diseqc function**
- **Support web NMS management**



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Principle Chart



Technical specification

Input	2*RF (DVBS/S2/S2X), F type 32*IP input for re-mux (UDP/RTP) through data(1000M/100M) ports		
Tuner	DVB-S	Input Frequency	950-2150MHz
		Symbol Rate	QPSK 0.5Msps~45Msps
		Signal Strength	-65~ -25dBm
		FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8
	DVB-S2	Input Frequency	950-2150MHz
		Symbol Rate	QPSK/8PSK/16APSK 0.5Msps~45Msps 32APSK0.5Msps~40 Msps
		FEC Demodulation	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
	DVB-S2X	Input Frequency	950-2150MHz
		Symbol Rate	QPSK/8PSK/16APSK: 0.5~45 Msps; 8APSK/32APSK: 0.5~40 Msps
FEC Demodulation		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, 23/36, 25/36, 13/18 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, 2/3-L, 32/45, 11/15, 7/9	

Multiplexing	Maximum PID Remapping	256 PIDs per input channel
	Function	PID remapping (automatically or manually), Accurate PCR adjusting, generate PSI/ SI table automatically
Descrambling	CAM/CI Quantity	2
	BISS Mode	Mode 1, Mode E; up to 120Mbps
Output	1*MPTS over UDP and RTP, 1000M/100M Base-T Ethernet interfaces (unicast / multicast)	
System function	Network management (WEB)	
	English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm
	Environment	0~45°C(work); -20~80°C (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz