



**DX3912/DX3902**

**DVB-C/S2 Receiver**



## Product Overview

DX3912/DX3902 is our low cost device which integrates demodulation, de-scrambler and re-mux (DVB-C/S/S2) 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

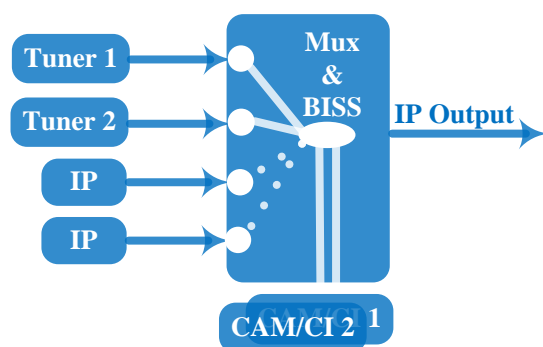
- **2 DVB-C/S/S2 Tuner inputs**
- **2 IP (UDP/RTP) input for re-mux**
- **One CAM can decrypt multiple programs from Tuners**
- **Support BISS descrambling (Up to 100Mbps)**
- **IP (1 MPTS) over UDP and RTP output**
- **Support maximum 180 PID mapping per input**
- **Support web NMS management**



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## Principle Chart



## Technical specification

<b>Input</b>	2*RF (DVB-C/S/S2), F type 2*IP input for re-mux (UDP/RTP) through data(1000/100M) ports			
<b>Tuner Section</b>	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-S	Input Frequency	950-2150MHz	
		Symbol Rate	QPSK 1~45Msps	
		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 1~45Msps 16APSK 1~45 Msps 32APSK1~32 Msps	
FEC Demodulation		1/2, 2/3, 3/4,5/6,7/8, 4/5,5/6,8/9, 9/10		
Maximum PID Remapping		180 PIDs per input channel		
<b>Multiplexing</b>	Function	PID remapping (automatically or manually), Accurate PCR adjusting, generate PSI/ SI table automatically		
	<b>Descrambling</b>	CAM/CI Quantity	2	
<b>Descrambling</b>	BISS Mode	Mode 1, Mode E; up to 100Mbps		
	<b>Output</b>	1*MPTS over UDP and RTP, 1000M/100M Base-T Ethernet interfaces (unicast / multicast)		
<b>System function</b>	Network management (WEB)			
	English language			
	Ethernet software upgrade			
<b>Miscellaneous</b>	Dimension(W×L×H)	482mm×328mm×44mm		
	Environment	0~45℃(work); -20~80℃ (Storage)		
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz		