



**NDS3902M**

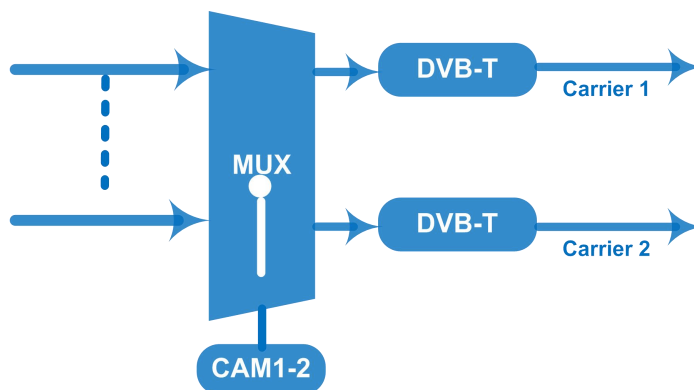
**DVB-T TransModulator**



## Key Features

- 2 DVB-S/S2/S2X Tuner input with 2 CAM slots
- 2 groups multiplexing +2 groups DVB-T modulating
- Support accurate PCR adjusting, PID Remapping, PSI/SI rebuilding and editing, A/V PID filtering
- Web-based NMS management

## Principle Chart



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## Tech Specifications

<b>Input</b>	2 DVB-S/S2/S2X Tuners				
<b>Tuner Section</b>	DVB-S/S 2/S2X Tuner	DVB-S	Input Frequency	950~2150MHz	
			Symbol rate	0.5~45Msps	
			Signal Strength	- 65- -25dBm	
			FEC	1/2, 2/3, 3/4, 5/6, 7/8	
			Constellation	QPSK	
			Max input bitrate	≤129 Mbps	
	DVB-S2	DVB-S/S 2/S2X Tuner	DVB-S2	Input Frequency	950~2150MHz
				Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 32APSK: 0.5~40Msps;
				FEC	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, 9/10
				Constellation	QPSK, 8PSK, 16APSK, 32APSK
				Max input bitrate	≤129 Mbps
				DVB-S2X	DVB-S/S 2/S2X Tuner
	Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 8APSK: 0.5~40Msps 32APSK: 0.5~40Msps			
	FEC	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 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			
	Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK			
Max input bitrate	≤129 Mbps				
<b>Descrambling</b>	CAM/CI	2 sets			
<b>Multiplexing</b>	Maximum PID Remapping	256 per input channel			
	Function	A/V PID filtering			
		PID Remapping			
		Accurate PCR adjusting			
Generate PSI/SI table automatically					
<b>Modulation</b>	DVB-T	Standard	EN300744		
		FFT mode	2K		
		Bandwidth	6M, 7M, 8M		

		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step
		RF out	2*DVB-T non-adjacent carriers combined output
		RF output level	-28~ -3 dBm (79~104 dbμV), 0.1db step
<b>System</b>	Web-based NMS support		
	Ethernet software upgrading		
<b>General</b>	Temperature	0~45 °C(Operation) ; -20~80°C(Storage)	
	Power	AC 100V±10%/50/60Hz; AC 220V±10%, 50/60HZ	