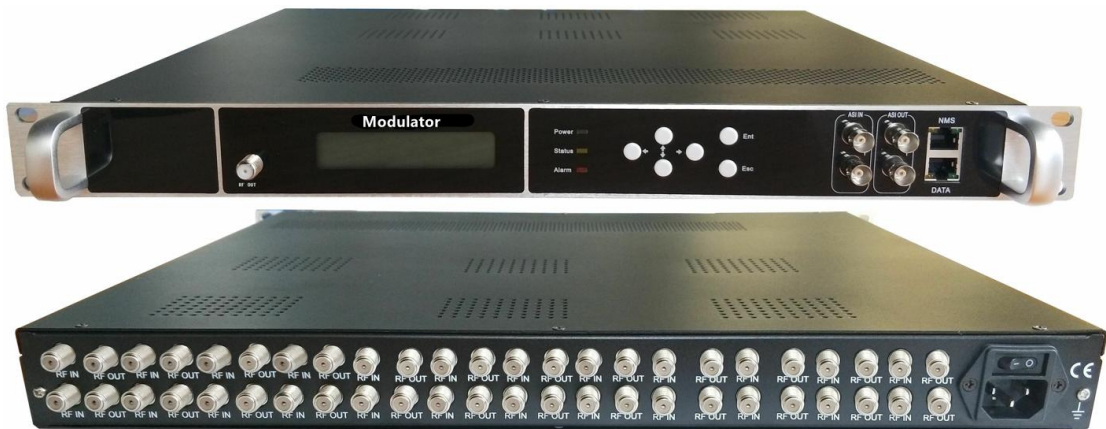


# HPR3624M Tuner to Modulator



## Product Overview

HPR3624M tuner to modulator is a professional high integration device which includes tuner demodulation, multiplexing, and modulation. It supports 4/8/12/16/20/24 tuner (DVB-S2/DVB-C/DVB-T2/ATSC/ISDBT optional) input, (DVB-C/DVB-T/ATSC/ISDBT optional) RF output, 1000M IP input and output, ASI input and output.

In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, digital TV broadcasting etc.

## Key Features

- 4/8/12/16/20/24 tuner (DVB-S2/DVB-C/DVB-T2/ATSC/ISDBT) input
- 1000M IP input/output over UDP and RTP protocol (MPTS and SPTS)
- Support different types of tuner ( DVB-S2、 DVB-C、 DVB-T2、 ATSC、 ISDBT, etc. ) input, or mixed use ( e.g., 4 - way dvb - t2 and 4 - way

ATSC input at the same time, making up 8 - way input )

- 4/8/16/32 carriers DVB-C RF output
- 4/8/16 carriers (DVB-T、ATSC、ISDBT optional) RF output
- 2 ASI inputs
- 2 ASI **Independent output** (optional) as copy of 5MPTS
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting
- PID pass
- LCD、key function
- Control via web management, and easy updates via web

## Technical Specification

Input	4/8/12/16/20/24 tuner; and the tuner supports (DVB-S2/DVB-C/DVB-T2/ATSC/ISDBT optional)		
	2 ASI inputs		
	128 IP input over UDP, 1000M		
Output	RF output (DVB-C/DVB-T/ATSC/ISDBT optional)		
	2 ASI output		
	IP output (SPTS and MPTS) IP output over UDP and RTP protocol, 1000M		
Multiplexing	Maximum PID Remapping	180 output pids per channel	
	Function	PID remapping ( automatically or manually)	
		Accurate PCR adjusting	
Modulator	DVB-T	RF number	4/8/16 RF DVB-T output
		Standard	EN300744
		FFT mode	2K
		bandwidth	6M, 7M, 8M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step
		RFoutput level	-34~ -10 dBm, 0.1db step

	DVB-C	RF number	4/8/16/32 RF DVB-C output	
		Standard	EN300 429/ITU-T J.83A/B/C	
		MER	≥42db	
		RF frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~-10dBm , 0.1dBm step	
		Symbol Rate	5.0Msps~7.0Msps,1ksps stepd	
			J.83A	J.83B/J.83C
		Constellation	16/32/64/128/256 QAM	64/256 QAM
		Bandwidth	8M	6M
	ATSC	RF number	4/8/16 RF ATSC output	
		Standard	ATSC A/53	
		Bandwidth	6M	
		Constellation	8VSB	
		FEC	RS(208 188)+Trellis	
		MER	≥42dB	
		RF frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~-10dBm , 0.1dBm step	
	ISDB-T	RF number	4/8/16 RF ISDB-T output	
		Standard	ARIB STD-B31	
		Bandwidth	6M	
		Constellation	QPSK, 16QAM, 64QAM	
		Guard Interval	1/32, 1/16, 1/8, 1/4	
		Transmission Mode	2K	
		Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
		MER	≥42dB	
		RF frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~-10dBm , 0.1dBm step	
System function	Network management(WEB)			
	Chinese and English language			
	Ethernet software upgrade			
Miscellaneous	Dimension (W×L×H)	550mm×515mm×140mm		
	weight	9kg		
	Environment	0~45℃(work); -20~80℃(storage)		
	Power requirements	AC100~240V, 50/60Hz		