

CatCast



HPM316

16 in 1 IP to DVBT/ISDBT/ATSC Modulator



Product Overview

HPM316 is a cost-effective 16 in 1 IP to DVBT/ISDBT/ATSC modulator developed according to DVBT/ISDBT/ATSC standard (optional). It has 128*3 IP inputs. After multiplexing and modulating process, it gives 16 DVBT/ISDBT/ATSC (optional) non-adjacent carriers (50MHz~900MHz) output through the RF output interface. To meet customers' various requirements, this device is also equipped with data port for 8 MPTS output over UDP and RTP. This is very adaptable to newly generation DTV broadcasting system.

Key Features

- ❖ Support maximum 3*128 IP input (MPTS/SPTS) over UDP and RTP protocol
Support 8 MPTS Output
- ❖ Support 16 non-adjacent carriers DVBT/ISDBT/ATSC modulating (optional)
- ❖ Support 6 Serials ASI input (Any Multiplexing)
- ❖ RF output : 50~900MHz , Any Settings
- ❖ Integrated multiplexing and modulating functions

- ❖ Support accurate PCR adjusting/PID Remapping/PSI/SI rebuilding and editing
- ❖ Web-based NMS management

Specifications

Modulation	DVBT	Standard	DVB-T EN300744
		FFT mode	2K
		Bandwidth	6M, 7M, 8M
		Constellation	QPSK、16QAM、64QAM
		RF out	16 non-adjacent carriers DVB-T output
		RF frequency	50~900MHz, 1kHz step
		RF output level	-24dBm~0dBm
		MER	≥40db
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
	ISDBT	Standard	ARIB STD-B31
		Bandwidth	6M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/32, 1/16, 1/8, 1/4
		Transmission Mode	2K, 4K, 8K
		Code rate	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥40db
		RF frequency	50~900MHz, 1KHz step
		RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
		RF Output	16 non-adjacent carriers ISDBT output
	ATSC	Standard	ATSC
		Bandwidth	6M
		Constellation	8VSB

		FEC	RS(208 188)+Trellis
		MER	≥40db
		RF frequency	50~900MHz, 1KHz step
		RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
		RF Output	16 non-adjacent carriers ATSC output
Multiplex		Max PIDs	256 per channel
		Functions	PID remapping (auto/manually optional)
			PCR accurate adjusting
			PSI/SI table automatically generating
IP Input		3*128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M, Unicast/Multicast	
ASI input		6 ASI input, DVB standard, BNC connector	
System		LCD/Keyboard operating and web-based NMS support	
		Ethernet software upgrading	
General		Dimension (W*D*H)	482mm×340mm×45mm
		Temperature	0~45℃(work); -20~80℃(storage)
		Power supply	AC 110V±10%, 50/60Hz AC 220V±10%, 50/60Hz