



**HPM316**

**IP to 16 ATSC Modulator**



## Product Overview

HPM316 is a cost-effective ATSC modulator developed according to ATSC (ATSC A/53) standard. It has 128\*3 IP inputs. After multiplexing and modulating process, it gives 16 ATSC 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 ATSC modulating
- ❖ Support 6 Serials ASI input (Any Multiplexing)
- ❖ RF output : 50~900MHz , Any Settings
- ❖ Integrated multiplexing and modulating functions

- ❖ Web-based NMS management

## Specifications

Modulation	Standard	ATSC A/53
	Bandwidth	6M
	Constellation	8VSB
	FEC	RS(208 188)+Trellis
	MER	≥40db
	RF frequency	50~900MHz, 1KHz step
	RF output level	-20dBm~+10dBm(87~117dB $\mu$ V), 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°C(work); -20~80°C(storage)
	Power supply	AC 110V±10%, 50/60Hz AC 220V±10%, 50/60Hz