



**HPM316**

**IP to 16/32 QAM Modulator**



## Product Overview

HPM316 is a cost-effective DVB-C modulator developed according to DVB-C (EN300 429/ITU-T J.83A/B/C) standard. It has 128\*3 IP inputs. After multiplexing and modulating process, it gives 16/32 DVB-C non-adjacent carriers (50MHz~960MHz) 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 16/32 groups DVB-C modulating
- Support 6 Serial TS Input (AnyMultiplex)
- RF output : 50~960MHz , Any Settings
- Integrated multiplexing and modulating functions
- Support accurate PCR adjusting/PID Remapping/PSI/SI rebuilding and editing
- Web-based NMS management

## Technical Specification

<b>Modulation</b>	Standard	<b>DVB-C EN300 429/ITU-T J.83A/J.83C</b>
	Constellation	16/32/64/128/256 QAM
	Bandwidth	6/7/8M
	MER	$\geq 42\text{db}$
	Symbol Rate	5.0Msps~7.0Msps,1ksps stepd
	RF frequency	50~960MHz, 1kHz step
	RF output level	-34~-10dBm , 0.1dBm step
	RF Output	16/32 non-adjacent DVB-C/QAM carriers output
		PSI/SI table automatically generating
<b>Multiplex</b>	Max PIDs	256 per channel
	Functions	PID remapping (auto/manually optional)

		PCR accurate adjusting
		PSI/SI table automatically generating
<b>IP Input</b>	3*128 IP(SPTS/MPTS) input over UDP and RTP, RJ45,1000M/100M, Unicast/Multicast	
<b>ASI input</b>	6 ASI input, DVB standard, BNC connector	
<b>System</b>	LCD/Keyboard operating and web-based NMS support Ethernet software upgrading	
<b>General</b>	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