

HPR8500 IP to 16/24/32/40/48 channels Analog Modulator

Product Overview

HPR8500 series IP to 16/24/32/40/48 channels Analog modulator is the latest professional TV front-end equipment developed by Catcast for processing audio and video. The device is used for IP/ASI program input and then output via an analog modulated signal. It supports 2 GE ports inputs (Each port provides a maximum of 128 address inputs).The analog modulation mechanism adopts modular design and pluggable structure.According to customer requirements, customers can flexibly choose 16/24/32/40/48 channels output, with RF output frequencies ranging from 43.25 to 951.25MHz. In addition, the device provides 1 GE port output (5 MPTS output) and 4 ASI ports.The device has excellent performance and flexible configuration,using 1U chassis, easy to install and use.A single device integrates a complete set of front-end system functions, which is very suitable for use in hotels, clubs, hospitals, bathrooms and other TV broadcasting systems.



IP to 16 Channels Analog Modulator



IP to 24 Channels Analog Modulator



IP to 32 Channels Analog Modulator

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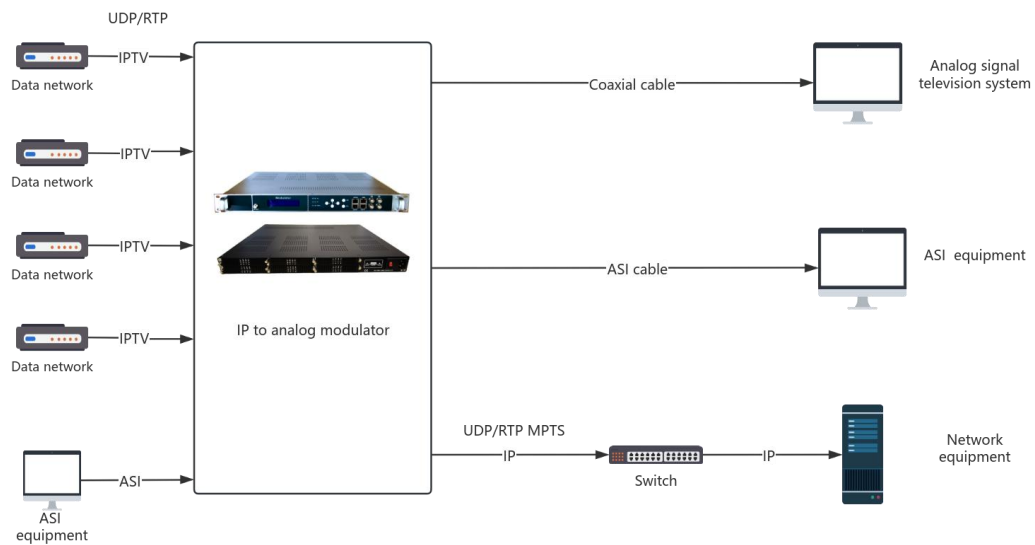


IP to 40 Channels Analog Modulator



IP to 48 Channels Analog Modulator

System function diagram



Product features

- Support maximum **2*128** IP input,UDP/RTP
- Support for standard PAL or NTSC or SECAM formats
- Support **16/24/32/40/48** channels outputs (optional)
- Modular analog modulation channel module is adopted to facilitate equipment

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expansion

- Support 5 MPTS output,UDP/RTP
- Support 4 ASI ports (2 input and 2 output)
- Supports dual power supply system (optional)
- Support web-based network management and online upgrade functions
- Using 1U chassis, a single device integrates a set of front-end device functions, saving installation and wiring space

Product selection

Product model	Device ports	Input	Output
HPR8500-16	3 Gigabit port; 1 NMS port; 4 ASI port; 1 RF out	Maximum 2*128 IP input; 2 ASI input	16 channels output (2 module) 5 MPTS output 2 ASI output
HPR8500-24	3 Gigabit port; 1 NMS port; 4 ASI port; 1 RF out	Maximum 2*128 IP input; 2 ASI input	24 channels output (3 module) 5 MPTS output 2 ASI output
HPR8500-32	3 Gigabit port; 1 NMS port; 4 ASI port; 1 RF out	Maximum 2*128 IP input; 2 ASI input	32 channels output (4 module) 5 MPTS output 2 ASI output
HPR8500-40	3 Gigabit port; 1 NMS port; 4 ASI port; 1 RF out	Maximum 2*128 IP input; 2 ASI input	40 channels output (5 module) 5 MPTS output 2 ASI output
HPR8500-48	3 Gigabit port; 1 NMS port; 4 ASI port; 1 RF out	Maximum 2*128 IP input; 2 ASI input	48 channels output (6 module) 5 MPTS output 2 ASI output

NOTE:

1. A single analog modulation module provides 8 carrier outputs. Customers can choose the number of analog modulation modules according to their needs. Currently, the support extends to up to 6 modules and supports up to 32 carrier analog outputs.
2. Disconnect the power supply before inserting or expanding a module for safety.

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Product structure



Number	Interface Overview
1	RF out
2	LCD
3	Keys and indicator lights
4	NMS: Network Management System
	DATA1: IP output , UDP/RTP
	DATA2/DATA3: IP input,UDP/RTP
5	ASI
6	Analog modulator channel module (Supports a maximum of 4 modules)
7	Power Switch (The second power module is optional)

Specifications

Input	2 GE ports input (Each port supports 128 IP addresses input)	
	2 ASI input	
Output	16/24/32/40/48 channels output (optional)	
	1 GE output,5 MPTS output	
	2 ASI output	
Data protocol	protocol	UDP/RTP, 7 packets, SPTS, MPTS
	Transport protocol	TS over UDP/RTP, Unicast/multicast, IGMP V2/V3

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	Packet length	188/204 Bytes
Decoding	Video	HEVC/H. 265,H.264/AVC Level 4.1 HP, MPEG-2 MP@HL
	Audio	MPEG-1/2 Layer 1/2, AAC,AC3
	Resolution	HEVC/H.265: 1080@60P,1080@60I,1080@50P, 1080@50I,720@60P, 720@50P; H.264/AVC: 1080@60I, 1080@50P, 1080@50I,1080@30P, 1080@25P, 720@60P, 720@50P, 576@50I, 480@60I: MPEG2: 1080@60I,1080@50I,720@60P, 720@50P,576@50I, 480@60I;
	Display ratio	4:3/16:9
Modulation	Carrier channel	16/24/32
	Impedance	75Ω,F connector
	Frequency range	43.25~951.25MHz
	Output bandwidth	384MHz
	Output level	-35 ~ -5dBm
	Television standard	PAL,N/NC/M; NTSC,M/J/4.43; SECAM
	SNR	≥50dB
Miscellaneous	Size(L×W×H)	482mm×410mm×44mm
	Temperature	0~45°C(Operation); -20~80°C(Storage)
	Voltage range	AC100~240V, 50/60Hz