HPR6500

IP to 32 Channels Analog Modulator

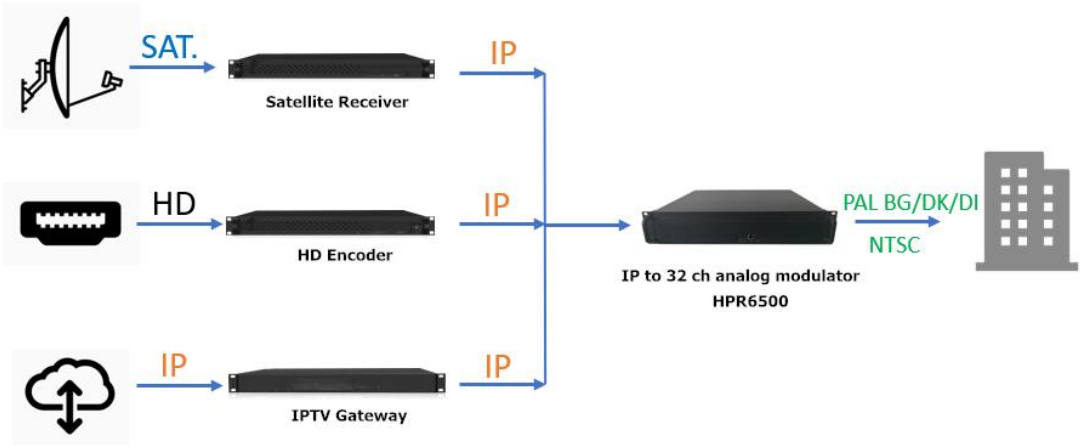
Outline

HPR6500 is Catcast's high-density IP to analog RF Modulator that carry 32 non-adjacent channels in a 2U box. Browser based user interface facilitate system setup and maintenance efficiency. This outstanding headend system consume much less power than other competitors, eventually reduce operating cost and extend life cycle.

Key Features

- System provides 2 GE input ports for both MPTS and SPTS video streams
- Compact 2RU design with 5 cooling fans and dustproof screen
- Receive up to 32 IP streams and output up to 32 channels in NTSC or PAL standard
- Easy configuration and software upgrade by built-in Web UI
- Optional function on teletext and overlay
- Support BISS decryption, optional

System Diagram



Specification

GE INPUT	
Input Connector	2x RJ45 (1000M)
Transport Protocol	UDP, RTP
Addressing	Unicast, Multicast
MPEG Transport	SPTS, MPTS
TS DECODING	
Video Resolutions	Up to 1080P
Video Form	MPEG1/2/4; H.264; H.265; AVS; AVS+; VC1
Audio Form	MPEG-1 Layer I/II/III; WMA, AAC,AC3
MAX decoding stream	32 channels
Additional capabilities	Teletext; BISS decrypt
Aspect Ratio Control	4:3(Letter & Box); 16:9
RF OUTPUT	
Connector	**F female connector**
Number of RF channels	Max 32,Fully agile modulated channels

Supported Standard	NTSC, PAL BG/DI/DK
STD,HRC and IRC	Supported
Output Frequency	48 ~ 860 MHz
Out-band Rejection	≥ 60dB
Flatness	-2dB per carrier
Return Loss	12 dB (min)
Differential Gain	≤ 5%
Group Delay Response	≤ 100nS
2K Factor	≤ 2%
Output Level	≥ 53dBmV combined*
Adjust Range	20dB Per 32CHs
	10dB Per CH
Audio Output Format	MONO
Audio Level Adjust Range	0 ~ 100 %
RF Test Point	-20 dB Relative to output
GENERAL	
Management	**NMS**
Language	English, Spanish
Power Supply	AC 90 ~ 264 V
Consumption	<240 W
Weight	8.5 KG
Dimension	484*435*89 (MM)

***NOTICE:** The analog output level should greater than the digital output level at 5dB, when these two signals are combined together.