

DATA SHEET : H-16RCA-RF-AMOD

16 Channel Analog Agile Modulator

NTSC PAL SECAM



While NTSC is quickly becoming legacy equipment, there is still a need for headends requiring Analog modulation. This unit simplifies the installation because of the high density capacity of 16 independent inputs.

The Inputs are in CVBS RCA baseband video / audio inputs. Analog CVBS inputs can be connected from items like Security Cameras, DVD/VCR player, Set-Top Box, Old Video players, or older gaming systems like Playstation, Nintendo 64.

The High Power RF Output allows for video distribution to many TV's on the same coax network without RF amplifiers.

Common applications used are video security monitoring, Hotels, Motels, Education, Private anonymous channels, music channels, radio channels, coax network testing.

It is SAW filtered and microprocessor controlled with an output capability of 860MHz. Setup and tuning is easy and simple via the front panel. The unit offers high performance, low cost comparable to digital modulators and compact design for system operators. Also features an RJ45 port for Ethernet connection to the NMS management system which allows you to manage, remote access, and change settings.

Features

1. SAW filtering for maintenance free adjacent channel configuration
2. High RF CATV RF output power
3. CATV RF 45-870Mzh Spectrum
4. Universal worldwide use supports NTSC, PAL, or SECAM output
5. Double I.F loop for superior in-band C/N
6. 16 Agile channel output
7. Fewer cables and connectors but greater reliability
8. Rack-mountable 1RU space
9. Front panel accessible level controls for easy set-up and adjustment
10. NMS RJ45 port for network access and management system

Specifications

OUTPUT		
RF	Output Connector	F Connector @ 75Ohms
	Output Frequency	45~860MHz any 16 channels
	Output Level	113 dBμV (Adj.) = +53dBmV
	Out-band Rejection	≥60dB
	A / V Ratio	-21~ -18 dB (Adj.)
	Frequency Stability	±5kHz
	Test Point	-20 dB ±3dB
INPUT		
MANAGEMENT	Front Panel	NMS IP - 10/100 Ethernet , Default IP 192.168.1.30
VIDEO	Video-Input Level	0.6-1.5Vp-p (87.5% Modulation)
	Input Connector	1x Yellow RCA Jack
	Video C/N	60dB
AUDIO	Input Level	0.8Vp-p(25KHz Peak Deviation)
	Input Connector	1x White RCA Jack
GENERAL		
POWER AND SIZE	Voltage	AC 90 ~ 264V @ 47~63Hz
	Power Consumption	100W
	Cooling Fans	3
	Dimension	48.4*32.9*4.44 (CM)
	Carton Size	55*39*13 (CM)
	Shipping Weight	12lb (6KG)

Model Selection :

H-16RCA-RF-AMOD - 16ch RCA CVBS Analog Baseband Video / Audio to 16 CATV RF NTSC Agile modulator

H-16RCA-RF-AMOD-PAL - 16ch RCA CVBS Analog Baseband Video / Audio to 16 CATV RF PAL Agile modulator

Similar model but with HDMI inputs:

H-16HDMI-RF-AMOD - 16 HDMI Inputs - 16 Analog RF Out (NTSC)

H-16HDMI-RF-AMOD-PAL - 16 HDMI Inputs - 16 Analog RF Out (PAL)

<https://thorbroadcast.com/product/16-hdmi-to-analog-agile-catv-rf-modulator-ntsc-8230.html>



Drawing :

