

DATA SHEET : H-HDMI-RF-PETIT

Petit HDMI RF MODULATOR



Perfect HD up to 1080P/60 HDMI to Coax RF DIGITAL MODULATOR, Network - Ethernet Control

The most unique and cost-effective Networked Digital HDMI RF modulator. Designed to allow any HDMI source like an STB, satellite receiver, HDMI camera, DVD player, Computer, and a ROKU device. You can convert to any RF TV channel of your choice.

This Thor Modulator is an all-in-one device integrating HD MPEG2 encoding with AC3 Dolby Audio with an internal digital modulator. Converts HD audio/video signals from any device into DVB-C/T/ATSC/ISDB-T RF output.

The unit supports any HD source with the following video resolutions: 720p, 1080i, 1080p

Simply connect to any PC and control the unit via Thor Broadcast's proprietary GUI which has been touted as being the best on the market.

This unit is plug and play and has exceptional quality for a very low price to help anyone with any budget create their very own RF channel which can be viewed on thousands of televisions simultaneously.

Features

- HDMI Input - HDCP compliant (works with any HDMI device)
- 10/100 Ethernet NMS port for control, setup, and monitoring
- RF output could be set to any CATV format as QAM, ATSC, DVB-T, or ISDB-T
- RF output power is +24dbmv; enough for distributing HDTV video to 100's TV over the existing coax cable network
- RF power could be controlled over the network via NMS Gui (Proprietary)
- MPEG2 video encoding
- AC3 Audio encoding
- Video bit rate 1-19.5Mbps can be managed over the network
- Supports any CATV RF agile channels from 57-1000Mhz, channels 2 -135,
- Supports output resolutions up to 1080p
- Easy to set up via NMS.
- Small size and lightweight
- Includes wall-mount type rack ears
- Install multiple units onto your TV system
- The power The supply is included
- The HDMI cable is included

Specifications

Encoding Section-Video		
Encoding	MPEG2	
Interface	HDMI*1	
Resolution	Input	Output
	720@60p	Max. 1080@30p
	1080@50i	
	1080@60p	
Bit rate	2.000-24.000 Kbps	
Encoding Section-Audio		
Encoding	MPEG-1 Layer2, MPEG-2 AAC, AC3	
Sample rate	48KHz	
Bit rate	MPEG1 Layer 2 (128Kbps)	
	MPEG-2 AAC (VBR)	
	AC3 (128kbps)	
System		
Management	Ethernet	
Language	English	
Upgrade	USB/Ethernet	
Menu Configuration		
Basic	RF range/Key ID/ Service Name/ RF attenuation	
Advanced	Service provider/Network ID/ ONID/ TS ID/ Service	
	ID/PMT PID/VPID/APID/PCR PID/Network	
Modulator Section		
MER	Typ. 35dB	
RF range	50-950MHz, 1KHz step	

RF output level	100 dB (70-100 adj)
Standard	ISDB-T
Bandwidth	6M
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32
FFT	2K, 8K
Standard	DVB-T
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32
FFT	2K, 8K
Standard	DVB-C J.83A
Constellation	64QAM, 128QAM, 256QAM
Symbol rate	5.000-9.000Msps adj
Standard	DTMB
Bandwidth	8M
Constellation	GB20600-2006
Standard	ATSC
Bandwidth	6M
Constellation	8VSB
Standard	QAM J.83B
Bandwidth	6M
Constellation	64QAM, 256QAM
General	
Power supply	12V1A
Dimensions	103*64*24mm
Weight	300g

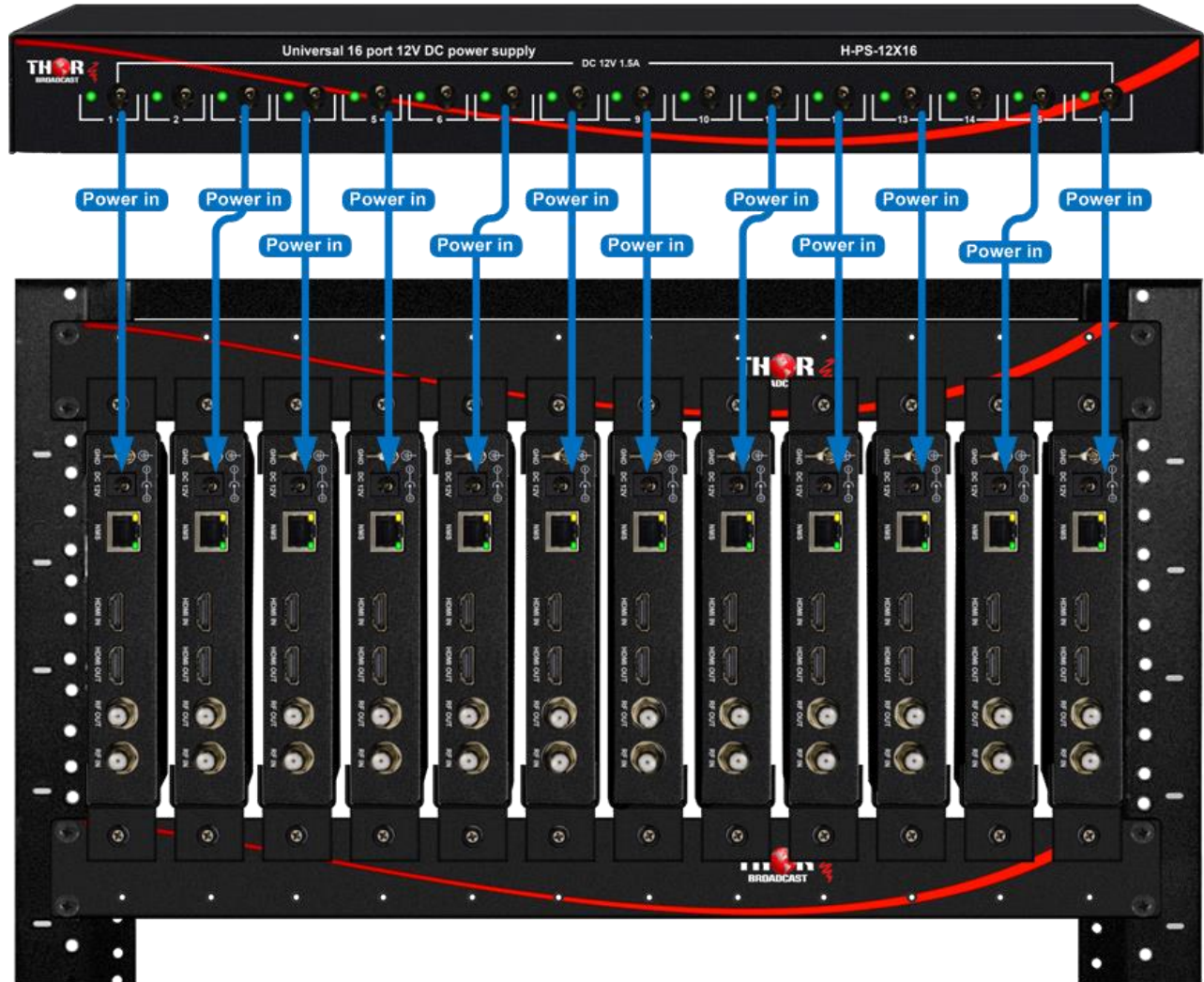
Additional optional accessories: Additional optional accessories:

[H-PS-12X16 - Rackmount 19" Power Supply 16 port 12V 1.5A DC](#)



Drawing:

Universla Power Supply - 16 Outputs



[CATV RF Splitters and Combiners : 1x2,1x4, 1x8, 1x16, 1x12,1x24](#)



This is a COAX Cable Attenuation chart based on the coax type and frequency. It is very helpful to design and calculate losses within any Coaxial RF distribution system.

Frequency MHz	RG-59 dB/100 Ft.	RG-59 dB/100 M.	RG-6 dB/100 Ft.	RG-6 dB/100 M.	RG-11 dB/100 Ft.	RG-11 dB/100 M.
5	0.89	2.92	0.69	2.26	0.38	1.25
55	1.95	6.4	1.6	5.25	0.97	3.18
211	3.59	11.78	2.87	9.41	1.81	5.94
450	5.3	17.38	4.26	13.97	2.65	8.69
550	5.9	19.35	4.71	15.45	2.94	9.64
750	6.96	22.83	5.59	18.34	3.44	11.28
870	7.54	24.73	6	19.68	3.84	12.6
1000	8.09	26.54	6.54	21.45	4.23	13.87
1450	10.54	34.57	8.3	27.22	5.07	16.63
2250	13.7	44.94	10.6	34.77	6.5	21.32
3000	15.5	50.84	11.9	39.03	7.28	23.96
3500	16.74	54.91	12.85	42.15	8.28	27.16

Drawing:

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Full HD 1080p/60, supports
QAM / ATSC / DVBT-T / ISDB-T

