

THOR DIGITAL

HDMET Series **HD Encoder Modulators**

***Single & Dual Program Encoders
with Internal Multiplexer / COFDM Modulator***



The Thor Digital HDMET series of HD digital modulators takes a digital signal such as HDMI, component (Y, Pb, Pr) or composite video and creates a COFDM (DVB-T) signal for distribution to digital TV's. There are two models of the HDMET available, the HDMET-901 processes one program and the HDMET-902 which processes two programs. Because the HDMET-902 actually encodes the inputs into MPEG2, it then multiplexes the two into a transport stream and modulates them both on a single COFDM channel. This is a more efficient use of bandwidth allowing more content on your system.

Features:

- One or Two Program HD Encoder / COFDM Modulator
- Multiplex All the Programs on One COFDM Channel
- Frequency Agile COFDM Channel, from 177.5 MHz to 816.5 MHz
- 85 dBuV RF Output Level
- Virtual Channel Numbering
- Short Program Name (7 Digits)
- 30 dB MER
- Rack Mount

The HDMET is a perfect solution for Small Cable Systems, Hotels, Motels, Hospitals, Sports Bars, Casinos, Restaurants, Gym's, Sports Books, Schools, Industrial or Commercial Applications and anywhere an HD signal needs to be added to a TV system.

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Specifications

	HDMET-901	HDMET-902
INPUT	1 Program	2 Programs
Input Connectors	HDMI Input x 1	HDMI Input x 2
	Y Pb Pr component input (video) x 1	Y Pb Pr component input (video) x 2
	Composite input (video) x 1	Composite input (video) x 2
	L / R channel audio input (audio) x 1	L / R channel audio input (audio) x 2
OUTPUT		
Frequency Range	177.5 - 816.5 MHz	177.5 - 816.5 MHz
Output Level	85 dBuV	85 dBuV
Output Impedance	75 Ω	75 Ω
Channel Bandwidth	6, 7, 8 MHz	6, 7, 8 MHz
Channel Level Adjustment	1~10 dB with ± 0.2 dB accuracy 11~20 dB is for reference	1~10 dB with ± 0.2 dB accuracy 11~20 dB is for reference
MER	32 dB	32 dB
Connector Type	"F" female	"F" female
MODULATION		
Video Resolution	1080i/720p/576p/480p/480i for all 1080p for AVC	1080i/720p/576p/480p/480i for all 1080p for AVC
Video Compression	MPEG2 MP @ HL AVC, MP @ Level 4	MPEG2 MP @ HL AVC, MP @ Level 4
Audio Compression	MPEG1 Layer II / AAC AC3 Pass Through	MPEG1 Layer II / AAC AC3 Pass Through
LCN	Yes	Yes
Carrier (OFDM Mode)	2K / 8K	2K / 8K
Guard Intervals	1/32	1/32
Code Rate (FEC)	1/2, 2/3, 3/4, 5/6, 7/8	7/8
Constellations	64 QAM	64 QAM
GENERAL		
Power Supply	12VDC @ 3A	12VDC @ 3A
Power Consumption	1300 mA	1700 mA
Display Language	English	English
Dimensions	482.7 x 240 x 44.4 mm 19 x 9.45 x 1.75"	482.7 x 240 x 44.4 mm 19 x 9.45 x 1.75"
Weight	3.1 kgs	3.2 kgs