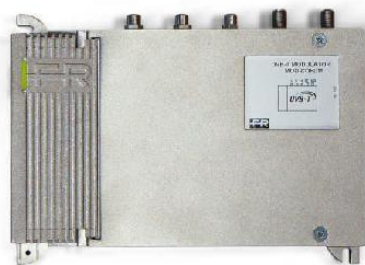


Analogue to digital DTT Modulator

MOD-COFDM



Indoor modulator that allows you to convert any composite AV source directly to digital terrestrial. It converts composite Analogue output (PAL, NTSC or SECAM) from Video Cameras, Security Cameras, DVD players and set top boxes into COFDM. The full standard modulator is compact, easy to maintain and simple to install. Extra functionality provides excellent compatibility with all digital TVs. Plug and play setup or create your own channel name , Logical Channel Number and RF output.

Main Specifications

- Output frequency in the whole UHF band
- Switching mode power supply
- High output level
- LCN (logical channel Numbering)
- High flexibility
- Completely shielded
- Multistandard input
- Regeneration of the table PSI/SI

		MOD-COFDM
Fracarro code		280006
Inputs	1	3 RCA Cinch (video / stereo audio)
	2	F female MIX
Output		F female Out
INPUT 1 RCA		
Base-band video input level (Yellow)	Vpp	0.7 – 1.5
Video standard supported		PAL, NTSC, SECAM
Impedance	Ohm	75
Audio input level (white=Left, Red=Right)	Vpp	0.1 - 4
Impedance	Kohm	> 10
Audio level Adjustment	dB	-6 to +34 (in respect to 1Vp nom.) or ALC
INPUT 2 MIX		
Frequency band	MHz	47 – 2400
Insertion loss	dB	<2@862MHz, <3@2.4GHz
Input Signal Processing		
Minimum video data rate	Mbit/sec	8 (or less with lower data rate DVB-T configuration)
Audio data rate	Kb/sec	256
Audio sampling rate	KHz	32, 44.1, 48 selectable
Audio mode		Stereo or mono
Country of Installation		Europe, UK, France, Australia, other countries
Channel name		Selectable trough TPE (14 Char max.) (EXT SRC 1 default)
LCN number		From 1 to 999 (100 default)
Video aspect ratio		4:3 , 16:9, AUTO (detected from input signal)
Output 1		
COFDM standard		DVB-T
Output channel bandwidth	MHz	7 / 8



Carriers number	No.	8K
Carrier modulation		QPSK , 16QAM, 64QAM Selectable
FEC		1/2, 2/3, 3/4, 5/6, 7/8
Guard interval		1/4, 1/8, 1/16, 1/32
Output frequency range	MHz	470 - 862
Output frequency accuracy	KHz	±20
Output level	dBuV	60 ÷ 90, adjustable in 1dB steps
Output MER	dB	>33
Main Features		
Mains	Vac/Hz	220-240,50-60
Power consumption	W	Typical 7.5
Connectors type		RCA for video / audio inputs, F female for RF mix/output
Operating temperature	°C	-10 to +55
IP protection		IP20
Basic setup mode		4digit display and 3 keys
Advanced setup mode		TPE
Compliant with		EN60065: 2004-06, EN50083-2: 2002-05

Fracarro code	Item	Packaging	EAN Code	Quantity	Dimensions	Net weight	Total weight
				Pcs	mm	Kg	Kg
280006	MOD COFDM	Single	8016978089727	1	240x190x60	1.80	1.80

Installation example

