



# 4- IN-1 VOYAGER - MK I MODULATOR

## Features

- In accordance to adjacent frequency design, no interference between adjacent channel.
- Adapting double-conversion, IF conduction, Acoustic filter、Phase-locked technology
- 4 adjacent channels in 1 housing, firm structure, providing an economical solution
- 19" 1U standard structure, independent power supply, elegant exterior, flexible corollary equipment, convenient to maintenance.



## Specification

RF	Frequency Range	47 ~ 870 MHz in Special Channel
	TV System	PAL D/K
	Intermediate Frequency	38 Mhz
	Output Returnloss	> 12dB (VHF), >10dB (UHF)
	Output Level	108 ~ 115 dBμV (Typical Value)
	Output Level Adjustable range	0 ~ 15dB
	Audio Carrier Power to	- 14 ~ -22 dB
	Carrier to Noise Ratio	> 64dB (fc ± 8MHz)
		> 68dB (fc ± 16MHz)
	Total Frequency Deviation	< 5 KHz
	Interface	F110
	Differential Phase	< ± 5° Degree
	Differential Gain	< 5 %
	Signal to Noise Ratio	> 64dB (Unweighted)
> 68dB (weighted)		
Audio Flatness	< + 10dB (40Hz to 15KHz)	
Remote Control	No	

	PARAMETERS	SPECIFICATION
Video	Degree of modulation signal	85%
	Flatness in operating band	< ±1.5dB
	Gain of differential coefficient	< 5 %
	Phase of differential coefficient	< 5°
	K-2T Factor	< 4
	Delay difference of colour or light	<45ns
	Signal to noise ratio	>54dB

Audio	Pre-emphasis of audio	50μs
	Maximum partial frequency of audio	± 50KHz
	Audio flatness	
	Distortion degree of audio	1%
	Signal to noise ratio	60dB

## MODERN COMMUNICATION & BROADCAST SYSTEMS PVT. LTD

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