



# FASTEC MODULATOR HEADEND 16 IN 1

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## Features :

This 16 channels module type modulator is low cost and high stability, specially designed for MATV or SMATV system. Professional design with simple installation. It is easily operated or maintained by users.

1. 1 set can install 16 channels. Adjacent channel workable.
2. Individual function keys for each channel, simple operation.
3. High efficiency SMPS enable stable performance.
4. All the figures already pre-set in the factory. No further adjustment to the modulator in case of necessary.
5. 19" rack mountable.

Frequency Range	47~860MHz (Any one channel)
Output Level	$\geq 105\text{dB}\mu\text{V}$
Output Level Adjustment Range	0~-20dB (Variable)
Video to Audio Carrier	-10dB~-30dB adjustable
Output Impedance	75 $\Omega$
Spurious Output Suppression	$\geq 60\text{dB}$
Frequency Accuracy	$\leq \pm 5\text{KHz}$ (VHF) , $\leq \pm 10\text{KHz}$ (UHF)
Video Output Reflection	$\geq 12\text{dB}$ (VHF); $\geq 10\text{dB}$ (UHF)
Video Input Level	1.0Vp-p (87.5% Modulation)
Video Input Impedance	75 $\Omega$
Differential Gain	$\leq 5\%$ (87.5% Modulation)
Differential Phase	$\leq 5^\circ$ (87.5% Modulation)
C/L Delay	$\leq 45\text{ ns}$
Flatness	$\pm 1\text{ dB}$
Video Modulator Depth	0~90% (Variable)
Video S/N	$\geq 55\text{dB}$
Audio Input Level	1Vp-p ( $\pm 50\text{KHz}$ )
Audio Input Impedance	600 $\Omega$
Audio S/N	$\geq 57\text{dB}$
Audio Pre-weighted	50 $\mu\text{s}$
Power Supply	AC 220V $\pm 10\%$ 50Hz $\pm 2\text{Hz}$ , 50W
Working Temperature	0~40 C
Dimensions	19 Inch 4 U housing