

HD to RF PLL NTSC TV Modulator

This HD to RF modulator converts high-definition signals into RF signals for NTSC TV systems. It utilizes a MCU controlled PLL to ensure high accuracy and stability of both the visual carrier and audio subcarrier.



Overview

Professional HD to RF Modulation

This high-definition signal modulator is designed to convert HD or AV signals into RF signals for NTSC TV systems. Featuring advanced MCU-controlled PLL technology, it ensures high frequency accuracy and stability for both video and audio carriers. The device is versatile, supporting selectable audio subcarriers and multiple input sources, making it an ideal solution for distributing content over existing coaxial cable networks.

Performance & Technical Specs



Robust design with clear connectivity ports for seamless integration into existing systems.

Output Level

90 dBV_L
Output Level

Selectable Audio Subcarrier

- 5.5 MHz
- 6.0 MHz
- 6.5 MHz

Frequency Range

45-870 MHz

Video Input Level

0.8V P-P for 80% ± 10% modulation

Power Consumption

230V / 50Hz (Max 2W)

Features & Functionality

Gecen® 佳讯



User-friendly interface with adjustable settings for RF, Video, and Audio.

Input Source

AV Signal • HD Signal

TV Standards

NTSC • B/G

Core Features

MCU Controlled PLL, RF Loop Input, Auto Power Outage Storage, LED Channel Display, Double Side Band Modulation

Supported Channels

E2-E69 / S1-S41