

DVB-T RF Digital Modulator

This digital modulator converts audio and video signals into DVB-T RF signals. It supports multiple input options such as video, audio, and HDMI, making it suitable for digital TV signal generation and distribution.



ADDITIONAL IMAGES



Overview

Professional DVB-T Digital Modulator

The DM-42TH is a versatile digital modulator designed to convert high-quality audio and video signals into DVB-T RF signals. Featuring support for multiple input formats including HDMI and CVBS, this device is engineered for reliable digital TV signal generation and distribution. It offers precise control over encoding parameters and transmission modes, ensuring compatibility with professional broadcasting standards.

HDMI Encoding

Audio Bit Rates

- 64
- 96
- 128
- 192
- 256
- 320

Video Encoding

MPEG-4 AVC/H.264

Supported Resolutions

1920x1080p@60, 1920x1080p@50, 1920x1080i@60, 1920x1080i@50, 1280x720p@60, 1280x720p@50

DVB-T Modulator

Key Performance Metrics

31 dB

MER

100 dBV₄

Max RF Output

Modulator Configuration

Parameter	Options
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission Mode	2K, 8K

System & Environment

System Upgrade

USB

Power Supply

DC 12V

Operating Temperature

45 °C