

DVB-T Modulator MPEG4 HD AV Signal Encoder

This DVB-T modulator encodes and modulates audio/video signals into a DVB-T RF output. It supports MPEG4 encoding for high-definition and standard-definition signals.



Overview

Professional HD DVB-T Modulation

The DM-02TH is a high-performance device integrating MPEG-4 AVC/H.264 encoding with advanced modulating functions. It is designed to convert audio and video signals into a DVB-T RF output, making it an ideal solution for digital broadcasting headend applications. With support for multiple input interfaces including HDMI and AV, it offers a versatile way to create and distribute digital TV channels.

Key Features

Core Functions

- Integrated MPEG-4 AVC/H.264 encoding
- Audio/Video signal conversion to DVB-T RF out
- USB-based firmware updates
- User-defined channel settings
- Real-time status monitoring via integrated display

Video Encoding

Video Specifications

Parameter	Details
Encoding Standard	MPEG-4 AVC/H.264
Supported Resolutions	1080p@60/50, 1080i@60/50, 720p@60/50
Aspect Ratio	16:9, 4:3
Bit Rate Range	1.000 ~ 18.000 Mbps

Audio Encoding

Audio Specifications

Parameter	Details
Encoding	MPEG1 Layer II
Sample Rate	48 KHz
Bit Rate Options	64, 96, 128, 192, 256, 320 kbps

Modulation

Modulation Standard

DVB-T COFDM
Standard

Hardware Connectivity

Interface Ports

HD IN, HD OUT, AV IN, USB, RF OUT, RF IN, DC 12V Power

Compliance

Certifications

CE

System Management



The front panel features a clear display and intuitive controls for managing stream and modulator settings.

Management & Control

- Main Menu Display
- Stream Setup
- Modulator Configuration
- Channel Information Management
- System Config Lock