

# HD/AV to ISDB-T Encoder Modulator

This encoder modulator converts HD/AV signals into ISDB-T digital signals. It integrates MPEG-4 AVC/H.264 encoding and modulating functions.



## Overview

### Professional ISDB-T Encoder Modulator

The DM-02ITH is a high-performance integration of MPEG-4 AVC/H.264 encoding and modulating functions, designed to convert HD or analog A/V sources into an ISDB-T digital channel. This compact, wall-mountable device features a 2.4-inch color LCD display for intuitive configuration and supports updates via USB. It is an ideal solution for digital terrestrial television broadcasting, digital signage, and private cable TV headends.

## Video Encoding

### Video Compression

MPEG-4 AVC • H.264

### Input Resolutions

- 1920\*1080p @ 60/50Hz
- 1920\*1080i @ 60/50Hz
- 1280\*720p @ 60/50Hz

Aspect Ratio	16:9, 4:3
--------------	-----------

Video Bit Rate	18 Mbps
----------------	---------

## Audio Encoding

Audio Compression	MPEG1 Layer II
-------------------	----------------

Sampling Frequency	48 KHz
--------------------	--------

Audio Bit Rate Options	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps
------------------------	--

## Hardware & Interface

Gecen® 佳讯



The device features a 2.4-inch color LCD and comprehensive I/O including HD IN/OUT, AV IN, and RF ports.

### Integrated Display

**2.4 inch**  
Color LCD

### I/O Interfaces

- HD IN
- HD OUT (Loop-through)
- AV IN (CVBS)
- USB (for updates)
- RF IN
- RF OUT

### Power Input

DC 12V

## Configuration

### Management Features

- Source Selection
- Stream Setup
- Modulator Setup
- RF Gain Adjustment
- User Channel Definition

## Physical Design

### Installation

Wall mountable