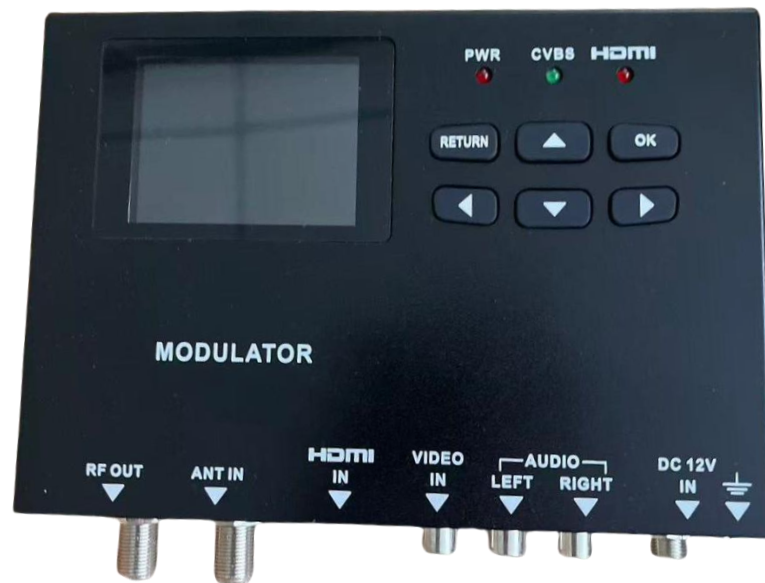




**HP8601DM**

**DTMB Encoder Modulator**

**1 channels HDMI/CVBS to DTMB MPEG2 encoder modulator**



## Overview

The HP8601DM 1-channel HDMI/CVBS to DTMB MPEG2 encoder modulator is a powerful all-in-one encoder modulator capable of encoding HDMI or CVBS audio and video signals into MPEG-2 format and modulating them into DTMB-compliant radio frequency signals. The device supports single-channel input, with output frequency precisely adjustable in 1 kHz steps from 50 to 860 MHz, and output level flexibly set in 1 dB steps from 60 to 100 dBuV, adaptable to the needs of transmission networks of varying sizes.

## Product Features

- Supports 1HDMI/CVBS inputs, compatible with standard definition (480i NTSC/576i PAL) and full HD (1920×1080p) signals;
- Supports RF output (modulation: DTMB) ;
- Supports multiple HDMI input/output resolutions, including 1080p/60 and 1080i/60 formats;
- Optional AV interface and loopback output enhance system deployment flexibility;
- MPEG-2 video encoding, MPEG-1 Layer 2 audio encoding;
- Its compact size allows for standard rack mounting, saving data center space.

Specification

| TECHNICAL SPECIFICATIONS |                                                 |                               |                 |
|--------------------------|-------------------------------------------------|-------------------------------|-----------------|
| Modulation               |                                                 |                               |                 |
| Output Frequency         | 50 to 860 MHz, 1 kHz Step                       |                               |                 |
| Output Level             | 69 to 100 dBuV, 1 dB Step                       |                               |                 |
| Encoding                 | MPEG-2; 5 to 15 Mb/s compression rate           |                               |                 |
| Interface                | HDMI x 1, 75O F x 2, RCA AV x 1 (Optional)      |                               |                 |
| Video                    | CVBS(optional)                                  |                               |                 |
|                          | Resolution                                      | 576i PAL                      | 480iNTSC        |
|                          | HDMI                                            |                               |                 |
|                          | Resolution                                      | Input                         | Output          |
|                          |                                                 | 1920 x 1080_60p               | 1920 x 1080_30p |
|                          |                                                 | 920 x 1080_50p                | 1920 x 1080_25p |
|                          |                                                 | 1920 x 1080 60i               | 1920 x 1080 30i |
|                          |                                                 | 1920 x 1080_50i               | 1920 x 1080_25i |
|                          |                                                 | 1920 x 1080_60p               | 1920 x 1080_30p |
|                          |                                                 | 1920 x 1080_50p               | 1920 x 1080_25p |
|                          | Aspect Ratio                                    | 16:9; 4:3                     |                 |
| Audio                    | Encoding                                        | MPEG-1 Layer 2                |                 |
|                          | Sampling Rate                                   | 48 kHz                        |                 |
|                          | Bit Rate                                        | 64, 96,128,192, 256, 320 kbps |                 |
| General                  |                                                 |                               |                 |
| Power Supply             | 12 VDC, 1.5A                                    |                               |                 |
| Dimensions with Rack     | 8" x 5.35" x 2" (204 x 136 x 51 mm)             |                               |                 |
| Weight                   | 1.1 lb (0.5 kg)                                 |                               |                 |
| Temperature              | 0 to 50 ° C (Operation)/-20 to 80 ° C (Storage) |                               |                 |