



SPECIFICATION

DVB-T Encoder Modulator

Revision:1.0

1. Scope :

The HD Encoder Modulator supports CVBS /YPbPr /HDMI input and 1 RF F female output. (The HDMI Input supports HDCP)  
After coded and modulated, the input signal can be directly output with original TV signal. It can be widely used in home entertainment, security, protection monitoring, hotel LCD panels, shopping mall advertising etc..

2. General Specification :

2-1

INPUT : HDMI(Type A)  
Component Video (YPbPr), RCA Jack (75 ohm)  
Composite (CVBS), RCA Jack (75 ohm)

OUTPUT : DVB-T modulator (F female)  
Frequency : 100-858MHz

2-2 Temperature Range :

Operating Temperature 0 ~ +50 °C  
Storage Temperature -10 ~ +70 °C

2-3 Weight : 107g

3. System

Local Interface control buttons + LCD panel

\* The LCD panel is optional

Remote management Web NMS

NMS Interface RJ45, 100M

4. Feature

Integrated encoder and modulator



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## 5. Electrical Specification

5-1 Power Supply : DC +12V, 650mA

5-2 Output Level : 90dBuV

## 5-3 Video :

Input Format : HDMI ; Component Video (YPbPr) ;  
Composite (CVBS)Encoding Format : Supports H.264 and JPEG encoder and encodes  
up to Full-HD 1920x1080 resolution.

H.264 encoder is fully compliant with

ISO/IEC-14996-10 baseline profile.

JPEG encoder is fully complies with ISO/IEC-10918

Resolutions : 1080i / 720p / 480p / 480i

Connector : HDMI(Type A)

Component Video (YPbPr), RCA Jack (75 ohm)

Composite (CVBS), RCA Jack (75 ohm)

## 5-4 Audio :

Input Format : HDMI ; analog stereo/mono

Encoding Format : ADPCM, MPEG-1 and MPEG-2 layer 2 audio  
and AAC-LC streams.

Connector : HDMI embedded audio

RCA Jack (75 ohm)

## 5-5 DVB-T Modulation

Standard : DVB-T (ETSI EN 300 744)

Bandwidth : 6 / 7 / 8 MHz

Mode : 2K / 8K

Constellation : QPSK / 16QAM / 64QAM

Guard Interval : 1/4, 1/8, 1/16, 1/32

Code Rate : 1/2, 2/3, 3/4, 5/6, 7/8

Frequency Range : 100~858MHz

Output Level : 90dBuV

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6. Block Diagram

Block diagram



