

HPS381 1*HDMI to ISDB-T HD Encoder Modulator

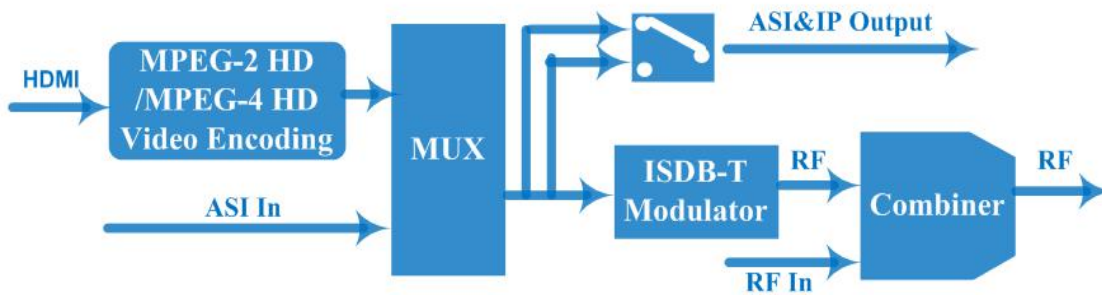
1* HDMI → ISDB-T RF
MPEG2 HD & MPEG4 AVC/H.264 HD Encoding



Key Features

- MPEG2 HD/MPEG4 HD video encoding
- Up to 1920*1080@50P/60P supported (MPEG4 HD);
- Up to 1920*1080@50I/60I supported (MPEG2 HD)
- 1* HDMI in (1 for backup), 1* ASI in
- RF ISDB-T out
- LCN support (Logical Channel Number)
- Excellent modulation quality MER≥42dB
- RF Frequency range 30Mhz~960Mhz
- LCD display, Remote control and firmware
- Web NMS management; Updates via web
- Lowest cost per channel --- breakthrough price

Principle Chart



Product Overview

HPS381 is newly developed Encoder & Modulator which integrates MPEG2 HD/MPEG4 HD video encoding and ISDB -T (DVB-C/-T/ATSC Optional) modulation to convert HDMI signals to ISDB-T RF out in the frequency range of 30~960MHz. It has equipped with 1 channel of HDMI input, 1 ASI input, and output with 2 ASI ports, 1 UDP IP port, and 1 RF port.

The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, and antenna etc. Its output signal is to be received by ISDB-T standard TV sets, ISDB-T STBs and etc.

The device can be widely used in public places such as metro, market hall, theatre, hotel, resort, etc for advertising. It also can be used for CATV, monitoring, training and educating in company, schools, campuses, hospital... besides that it's a good choice for bars to offer HD sports channels, for VIP entertainment channels, and more.

Specifications

Video

Encoding	MPEG2 & MPEG4 AVC/H.264
Input	HDMI*1 (1 for backup)
Resolution	1920*1080_60P, 1920*1080_50P (-for MPEG4 AVC/H.264 only); 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P; 720*480_60i, 720*576_50i

Audio

encoding	MPEG1 Layer II, (MPEG2-AAC, MPEG4-AAC available)
Sample rate	48KHz
Bit rate	64kbps, 96kbps,128kbps, 192kbps, 256kbps, 320kbps

ISDB-T Modulator

Standard	ARIB STD-B31
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Bandwidth	6M
Constellation	DQPSK,QPSK, 16QAM, 64QAM
Guard Interval	1/32, 1/16, 1/8, 1/4.
Transmission Mode	2K, 4K, 8K
MER	≥42dB
RF frequency	30~960MHz, 1KHz step
RF output level	-30~ -10dbm (81~97 dbμV), 0.1db step

System

Local interface	LCD + control buttons
Remote management	Web NMS
output	ASI out (BNC type); IP out (RJ45, 100M)
NMS interface	RJ45, 100M
Language	English

General

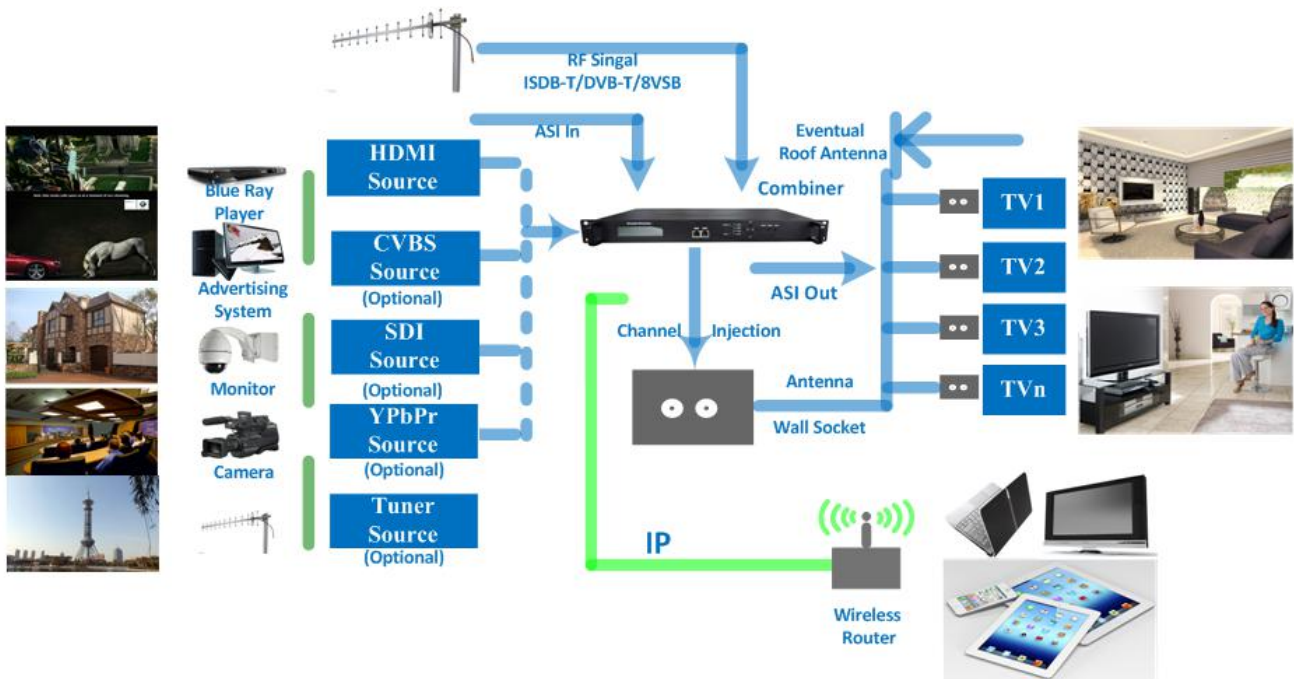
Power supply AC 100V~240V

Dimensions 267*250*44mm

Weight 2.5 kgs

Operation temperature 0~45°C

Typical Applications



Ordering Guide

Our encoder & modulator series are individual-module design, and the encoding modules include:

- ✓ MPEG2 SD encoding with 1 or 2 CVBS in
- ✓ H.264 SD encoding with 1CVBS in
- ✓ MPEG4 AVC /H.264 encoding with 1 or dual SDI in
- ✓ DVB-S2/-C/ISDB/ATSC tuner input
- ✓ YPbPr +HDMI +CVBS input
- ✓ MPEG2 SD YPbPr +S-Video +CVBS input
- ✓ MPEG4 AVC/H.264 encoding with 1 or 2 HDMI input
- ✓ MPEG2 HD encoding with 1 or 2 HDMI input
- ✓ MPEG2 HD encoding with 1 SDI input
- ✓ HDMI + VGA input

Modulation modules include:

- ✓ ISDB-T RF (single/dual carriers) out module
- ✓ DVB-C RF (single/dual/quad carriers) out module
- ✓ ATSC RF (single/dual/quad carriers) out module
- ✓ DVB-T RF (single/dual carriers) out module