

DS2-T2

Features

- 2 DVB-S2 Tuner input and 1 ASI input
- DVB-T COFDM RF out, 2 ASI out
- LCN support (Logical Channel Number)
- Excellent modulation quality MER≥42dB
- RF Frequency range 30MHz~960MHz
- LCD display, Remote control and firmware
- Updates via web/Ethernet
- Support IP & ASI output
- Lowest cost per channel --- breakthrough price

Product overview

DS2-T2 is a smart converter to receiver DVB-S2 channels and convert to DVB-T RF out. With 19 inch 1U case this device has equipped with DVB-S2 tuner input, one ASI in, and two ASI out, DVB-T RF out in the frequency range of 30~960MHz, furthermore it support IP out to connect with computer.

This device also has a mixer function embedded. It supports an extra RF input signal input then mixed with its only RF signal and output together.

The signals source is from satellite receivers and its output signal is to be received by a DVB-T standard TV, DVB-T Set top box.

Ordering guideline

Our design is individual module, for this series device the encoding module can be changed to following different modules.

- ✓ MPEG2 SD encoding with 1 CVBS module
- ✓ MPEG4 AVC H.264 encoding with HDMI module
- ✓ MPEG4 AVC H.264 encoding with 1 SDI module
- ✓ DVB-S2 tuner input module

And modulation module can be change to

- ✓ ISDB-T RF out module
- ✓ DVB-C RF out module
- ✓ DVB-T RF out module



Specification

QPSK-S/S2 Tuner section

QPSK-S (Option 1)

Input Frequency Range	950-2150MHz
Symbol Rate	2-45Msps
Signal Strength	-65 ~ -25dBm
FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8 QPSK

QPSK-S2 (Option 2)

Input Frequency Range	950-2150MHz
Symbol Rate	2-45Msps
Code Rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Input Impedance	75Ω
Demodulation Mode	QPSK, 8PSK
Frequency Stepping	500KHz

DVB-T Modulator section

Standard	EN300744
FFT Mode	2K, 8K
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Guard Interval	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8
MER	≥42dB
RF Frequency	30~960MHz, 1KHz step
RF Output Level	-30~ -10dBm(81~97 dBμV), 0.1dB step

Interface

Local Interface	LCD + control buttons
Remote Management	Web NMS
Language	English

General

Power Supply	AC 100V~240V
Dimensions	480*300*44mm
Weight	4.5kgs
Operation Temperature	0~45°C