

*“In today’s fast-paced, market, Digital television is a new way to broadcast the future. Digital Set Top Boxes have become a key component allowing people to access many services offered by the cable operator”*

## Satellite Converter

### AD1808S TS Converter-Satellite-Serie

#### .Compositions of System

AD1808S tunes and demodulates received 8 channels DVB-S signals from satellite without decompressing or encoding.

AD1808S is the digital signal converter. The received signals will be sent to user after QAM modulation. It is widely used in satellite digital TV, data broadcast, Internet, etc.

#### AD1808S consists of four modules:

- Tuner

AD1808S is the digital signal converter  
RF input: 950~2150 MHz from the output signals of LNB

- Digital demodulation

QPSK demodulation, output MPEG-2 TS digital signal

- Data processing

The unit process digital data after QPSK demodulation.

- Output interface

The unit converts TS for DVB ASI interface.

#### Features

- Full DVB and MPEG-2 compatible
- SCPC and MCPC compatible, to receive all unencrypted digital programs in the world.
- Viterbi auto-identify
- C and KU band compatible
- Integrated tuner (Lower threshold) of reliable quality.
- Power off memory
- 2 single channel ASI output interface. (different program)

#### ASI output (asynchronous serial interface)

Connector: BNC

Impedance: 75Ω

Packet format: 188 or 204 bits (optional)

Channel data rate: 270Mbps

DVB standard

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#### Features

##### Network management interface

Ethernet interface: IEEE802.3 ETHERNET,  
RJ45 interface  
Software protocol: SNMP protocol

##### Physical Details

Power supply: 220VAC±10% 50Hz 20W  
Dimension: 1U\*19"\*300mm  
Weight: 4kg  
Operation: +0~50°C  
Storage: -20~+80°C

#### RF-Input

Input Frequency: 950~2150MHz  
Level: -79~-11dBm  
IF bandwidth: 27~36MHz  
Demodulation: QPSK  
Impedance: 75Ω

