SUNNISKY TS1000-TA Digital Terrestrial DVB-T TS Integrated Receiving Decoder

With the latest technology in DVB, and incorporating the powerful single chip STi-5518, SUNNISKY TS1000-TA is one professional cost-effective digital terrestrial integrated receiving decoder with TS (transport stream) output from two ASI ports, it has lots of field-proven features, for example, high reliability, exceptional stability and flexibility. And it has embedded Common Interface which could provide great support for a wide variety of CA systems, for example, Conax, CryptoWorks, Irdeto, Mediaguard, Nagravision and Viaccess CA, etc. That is, it could receive various of being encrypted DVB-T COFDM TV programs with the help of one or two PCMCIA CI modules, and by aid of PCIMCIA and Smartcard together they could decrypt DVB-T COFDM TV programs as TS stream signal to output via ASI port besides via analogue AV output.

SUNNISKY TS1000-TA with ASI input interface could be switched to work between being input DVB-T COFDM terrestrial TV signal to receive and decrypt or being input TS signal to decrypt from its ASI input.

So, SUNNISKY TS1000-TA can effectively receive digital DVB-T COFDM terrestrial TV signal, decode and output high-quality audio and video TV programs, and output two ways TS digital signal simultaneously via its two ASI output ports, and both are specially designed for digital cable or satellite or terrestrial, etc. network.

Feature

- Fully DVB-T ETSI/EN300 744 and MPEG-2 compliant
- Powerful single chip STi-5518
- Symbol rate supported from 4.98 to 31.67Mbit/s
- Decrypts the conditional access systems encrypted, for example, Conax, CryptoWorks, Irdeto, Mediaguard, Nagravision and Viaccess CA, etc. with the two CI slots of PCMCIA
- Two CI slots of PCMCIA modules could work and descramble multi-program stream simultaneously (under the condition of multiple TV programs in one RF Frequency/Channel)
- Multi-descramble function together with PCMCIA module which could support multi-descramble
- One ASI TS input interface
- Two TS output via two ASI ports with scrambled or non-scrambled stream
- Composite video (CVBS) output and BNC video output (with OSD)
- XLR connector for balanced 600Ω audio output, and RCA connector for unbalanced audio output
- Video PID and audio PID setup
- Support VBI teletext (DVB ETSI 300 706) and caption function (Optional)
- Forcible PAL/NTSC/AUTO conversion
- Multi-language support, for example, English, Chinese etc.
- Multi-language Audio
- Friendly operation and control for user
- Running continuously with excellent stability
- Automatic recovery for latest system configuration due to expected or unexpected power off
- Software upgrade or link the other one to update via RS232 serial port

Specification

RF Signal Input and Tuner	
Signal input and output	Loop through
Input frequency	VHF:174MHz~230MHz; UHF:470MHz~862MHz
Input level	-91dBm ~ -20dBm
Input impedance	F type, 75Ω
Channel Decoding	
Complies with	DVB-T&MPEG2 standard
Constellation	QPSK,16QAM,64QAM
FEC Decoder	Convolutional Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7
Guard Interval mode	1/32,1/16,1/8,1/4

OFDM Spectrum	2K, 8K
Input Symbol rate	4.98~31.67Mbit/s
Demultiplexer	
Standard	ISO/IEC 13818-2
Video decoding	
Standard	ISO/IEC 13818-2; MPEG-2 MP@ML
Aspect radio	4:3, 16:9
Video format	720X576@ PAL; 720X480 @NTSC
Audio decoding	
Standard	ISO/IEC 13818-3
Decoding	MPEG-1 layer I and II
Audio output mode	Stereo, Dual, Mono channel
Volume Level	32 Levels
Memory	
CPU SDRAM	8Mbyte
AV SDRAM	4Mbyte
FLASH memory	2Mbyte
Common Interface	
Standard	EN 50221
CI Module	JEIDA 4.0 PCMCIA type II*2
Support	Conax, CryptoWorks, Irdeto, Mediaguard, Nagravision and Viaccess CA, etc.
Control Microprocessor and Memory	
Microprocessor Chip	SGS-Thomson STi5518, 81MHz Clock Frequency
Video buffer	64Mbits SDRAM
ASI-TS output and ASI-TS input	
Connector	BNC*3, 75Ω
Output Level	1Vp-p±0.1V
Data Transmission Rate	270Mb/s
Packet Length	188 or 204
Data Mode	Byte
BNC Video Output	
Connector	BNC, 75Ω
Video output bandwidth	8MHz
Amplitude frequency response	±5%
Non Linearity	<6%
RCA Video and Audio Output	
Video output Connector	CVBS RCA*1, 75Ω
Video output level	1Vp-p
Audio output Connector	Audio RCA*2（Left & Right）;Low impedance,680Ω
Audio XRL Balance Output	
Connector	RCA*2 (Left and Right Track)
Audio output impedance	600Ω
RS-232	
Connector	9-pin D-sub male, Maximum of 625K bits/s
General	
Power supply	SMPS, 90V~240V AC @ 50Hz~60Hz, 25W
Dimension	483mm×440mm×45mm
Weight	4.6Kg

Note: All specifications are subject to change without notice.