

SUNNISKY TS1000-S/TS1000-SA Digital Satellite DVB-S TS Integrated Receiving Decoder

With the latest technology in DVB, and incorporating the powerful single chip STi-5518, SUNNISKY TS1000-S and TS1000-SA are professional cost-effective digital satellite integrated receiving decoders with TS (transport stream) output from two ASI ports, they have lots of field-proven features, for example, high reliability, exceptional stability and flexibility. They have 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-S TV programs with the help of one or two PCMCIA CI modules, and by aid of PCIMCIA and Smartcard together they could decrypt DVB-S TV programs as TS stream signal to output via ASI port besides via analogue AV output.

SUNNISKY TS1000-S is one model without ASI input interface; and SUNNISKY TS1000-SA is another model with ASI input interface, which could be switched to work between being input DVB-S satellite TV signal to receive and decrypt or being input TS signal to decrypt from its ASI input.

So, SUNNISKY TS1000-S and TS1000-SA can effectively receive digital DVB-S satellite 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-S ETSI/EN300 421 and MPEG-2 compliant
- Powerful single chip STi-5518
- Symbol rate supported from 2 to 45Ms/s (SCPC or MCPC)
- 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 satellite transponder)
- Multi-descramble function together with PCMCIA module which could support multi-descramble
- 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

TUNER	
LNB Input and Output	Loop through
Input frequency	C/Ku band, 950~2150MHz
Input level	-65dBm~-25dBm
Input impedance	75Ω, F type
Tone Switch	0/22KHz for universal LNB
LNB Power	14V/18V (max.400mA), Short Circular Protection
Channel Decoding	
Complies with	DVB-S EN300 421
Demodulation	QPSK

FEC Decoder	1/2, 2/3, 3/4, 5/6 and 7/8
Symbol rate	2~45Ms/s
Demultiplexer	
Standard	ISO/IEC 13818-2
Video decoding	
Standard	ISO/IEC 13818-2; MPEG-2 MP@ML
Aspect ratio	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	
Connector	BNC*2, 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.



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