



7ch ci dvb-s2 ird



7ch CI DVB-S2 IRD Professional Receiver and Descrambler. This IRD is a multi-channel professional receiver and descrambler with broadcast quality. It can demodulate and descramble up to 7 channels satellite tuner (DVB-S/S2).

7ch CI DVB-S2 IRD receives signal which complies with DVB standard from RF inputs, ASI inputs and optional IP inputs, and convert the signal to standard TS after demodulation and/or de-embedding; it then descrambles the TS through CAM descrambling module and output transparent TS to its ASI or optional IP output port. As an optional feature, it supports bi-directional IP input and IP output. Meanwhile, with 3 groups of independent ASI output ports, our 7 in 1 IRD can output the multiplexed signal source before encoding (mirrored IP output).

KEY FEATURES:

- Support 1-7 channels satellite/cable tuner (DVB-S/S2);
- PCMCIA DVB-CI port, support single/multiple decoding;
- Support international general CAS: Conax, Cryptoworks, Irdeto, NDS, Mediaguard, SECA, Viaccess, etc.;
- Support TS over IP 1000Mbit/s output;
- Support TELETEXT VBI output;
- Support EBU SUBTITLE and DVB SUBTITLE;
- TS package format: 188/204 bytes (automatic identification);
- TS input pattern: uniformity/packet burst/irregular;
- To save working condition of last time, device can automatically start to the right status after power recovery;
- Support PSI/SI editing and insertion;
- Support DVB simulcrypt and scrambling from 4 different CAS providers;
- Support ASI program remultiplex;
- Support TSoIP output (optional).

Input/Output	
Input Channel	Demodulation: 1-7 channels satellite tuner (DVB-S/S2)
Output Channel	Each tuner can independently output 1 ASI, SMB;
	Support 3 groups of ASI output after multiplexing, each group includes 2 SMB;
	TSoIP for option.
PID Remap	384 (each channel 128)
Function	• PID Remap (manual or auto)
	• PCR precise adjustment
	• Automatically generate PSI/SI form
DVB-S/S2 Tuner	

Input Frequency Range	950 MHz ~ 2150 MHz
Demodulation	QPSK/8PSK, MPTS/SPTS
FEC	<ul style="list-style-type: none"> • DVB-S2 8PSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 • DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
Symbol Rate	<ul style="list-style-type: none"> • QPSK/LDPC/BCH: 1MSps~55MSps • 8PSK/LDPC/BCH: 1MSps~45MSps • DVB QPSK: 1MSps~55MSps
Input Level	-65dBm ~ -25dBm
LNB Power Supply	13V/17V. For maximum of 4 channels at the same time
Descrambling	
Descramble Processing	DVB-CSA
Smart Card Port	Adopt ISO7816 standard
Slot port	PCMCIA
Multiplexing	
<ul style="list-style-type: none"> • Multiplex to 3 or 8 TS output after scrambled (it depends on TSoIP option) • Each channel supports ES PID up to 128 • 3 groups of ASI out, each group has 2 SMB ports. When TSoIP is selected, each group of ASI can select one IP streaming from the total 8 channels TSoIP to output (the output of the three groups of ASI can be the same or different 2 or 3 channels) • Support TDT generating & insertion 	
Scrambling Option	
<ul style="list-style-type: none"> • DVB simul-crypt scrambling function • Support 4 CAS • 2Mbit/s EMM total bandwidth 	
TSoIP Option	
<ul style="list-style-type: none"> • 8 IP output (MPTS or SPTS) • 57 IP-TS input (MPTS or SPTS) • RTP/UDP • 10/100M/1000M Ethernet 	
System	
English Operation Interface	
Support network upgrade	
<ul style="list-style-type: none"> • 10/100M Ethernet • RJ45 	
Structure	
Temperature Range	0 ~ 45°C (working) ; -20 ~ 80°C (storage)
Power Supply	AC 100 V±10%, 50/60 Hz AC 220 V±10%, 50/60 Hz
Consumption	75 W
Size (mm, W x H x D)	440 x 44 x 460
Weight	TBD

Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.

