

Overviews



Each Demodulation Module = 2 or 4 *RF/Loop out + 2*CAM + 2*Smartcard

Product Description

IRD4000 Multi-Channel CI Receiver is a new design which integrates demodulation and de-scrambler in one case to convert RF signals into TS output after re-mux.

It is a 1-U case which supports Max 2 demodulation modules. The 2 CAMs/CIs accompanied in each

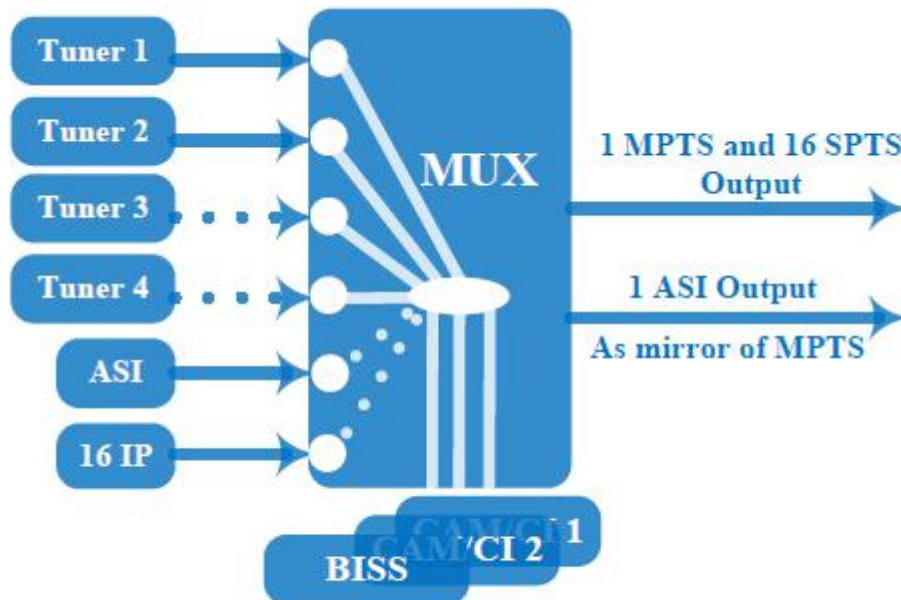
demodulation module can decrypt programs inputting from encrypted RF, ASI and IP. The CAM requires NO unsightly external power cords, cables, or additional remote control device. BISS function is also embedded to descramble programs from any input.

To meet customers' various requirements, Each demodulation module of CAM1-4 is also equipped with 1 ASI in and 16 IP inputs for re-mux, and output 1 MPTS and 16 SPTS with 1 ASI out port and 1 data port.

Key features

- 2 or 4 Tuner (DVB-C/T/ISDB-T switchable or DVB-S/S2/S2X or ATSC optional) inputs for each demodulation module
- 1 ASI & 16 IP (UDP/RTP) inputs for re-mux
- One CAM can decrypt multiple programs from Tuners/ASI/IP
- Support BISS descrambling
- IP (1 MPTS & 16 SPTS) over UDP and RTP output; ASI out for MPTS
- Support maximum 256 PID mapping
- Remote control and Firmware, web NMS management
- Updates via web
- Best quality and breakthrough price

Principle Chart (each demodulation module)



Specification

Input(perdemodulation module)	2 or 4* tuner inputs (DVB-C/T/ISDB-T switchable or DVB-S/S2/S2X or ATSC optional), F type 1*ASI input for re-mux, BNC interface				
	16*IP input for re-mux (UDP/RTP)				
TUNER SECTION	Multi-mod switchable (New)	DVB-C	Input Frequency	60 ~890 MHz	
			Standard	J.83A, J.83C	
			Constellation	16/32/64/128/256 QAM	
		DVB-T	Input Frequency	60 ~890 MHz	
			Bandwidth	6/7/8 M	
	ISDB-T	Input Frequency	60 ~890 MHz		
	DVB-S	Input Frequency	950~2150MHz		
		Symbol rate	0.5~45Msps		
		Signal Strength	- 65- -25dBm		
		FEC	1/2, 2/3, 3/4, 5/6, 7/8		
		Constellation	QPSK		
		Max input bitrate	≤170 Mbps		
	DVB-S2	Input Frequency	950~2150MHz		
		Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 32APSK: 0.5~40Msps;		
		FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10		
		Constellation	QPSK, 8PSK, 16APSK, 32APSK		
		Max input bitrate	≤170 Mbps		
	DVB-S2	Input Frequency	950~2150MHz		
		Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 8APSK: 0.5~40Msps 32APSK: 0.5~40Msps		
		FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 2/3-L, 32/45, 11/15, 7/9		
		Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK		
		Max input bitrate	≤170 Mbps		
		ATSC	Input Frequency	54-858MHz	
Bandwidth	6M				
Constellation	8VSB				

Order Guide

Please specify both **Demodulation module** and **Tuner Input** options when you place order:

Demodulation Module	Option 1	1*Demodulation module, 2 CAM/CI Slots
	Option 2	2*Demodulation modules, 4 CAM/CI Slots

Tuner Input (per demodulation module)	Option 1	2*DVB-S/S2/S2X tuner
	Option 2	2*DVB-C/T/ISDB-T tuner
	Option 3	2*ATSC tuner
	Option 4	4*DVB-S/S2/S2X tuner
	Option 5	4*DVB-C/T/ISDB-T tuner
	Option 6	4*ATSC tuner
	Option 7	2*DVB-S/S2/S2X tuner + 2*DVB-C/T/ISDB-T tuner
	Option 8	2*DVB-S/S2/S2X tuner + 2* ATSC tuner
	Option 9	2*DVB-C/T/ISDB-T tuner + 2*ATSC tuner



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