

IRD1340S

DIBVISION | DIBSYS

4x RF to TS De-scramber & Multiplexing IP with CI Slot

DVB-C CABLE DVB-T TERRESTRIAL DVB-S2 DVB-S2X ISDB-T BISS



IRD1340M

IRD1340S

IRD1340M is a high-integration and low cost professional satellite/cable receiver which integrates demodulation (DVB-C, T/(T), ISDB-T, S/S2/S2X optional), de-scrambler and multiplexing with BISS function in one case to convert RF signals into TS output. It is a 1-U case which supports 4 tuner inputs, ASI and IP out. The 4 CAMs/CIs accompanied can descramble the programs input from encrypted RF, ASI and IP. The CAM requires no unsightly external power cords, cables, or additional remote control device.

To meet customers' various requirements, the IRD1340M is also designed to de-mux programs from any input, and output TS over ASI and IP.

It will be a ideal equipment for the DTV network head and edge of DTV backbone network, which can greatly save the cost in your investment.

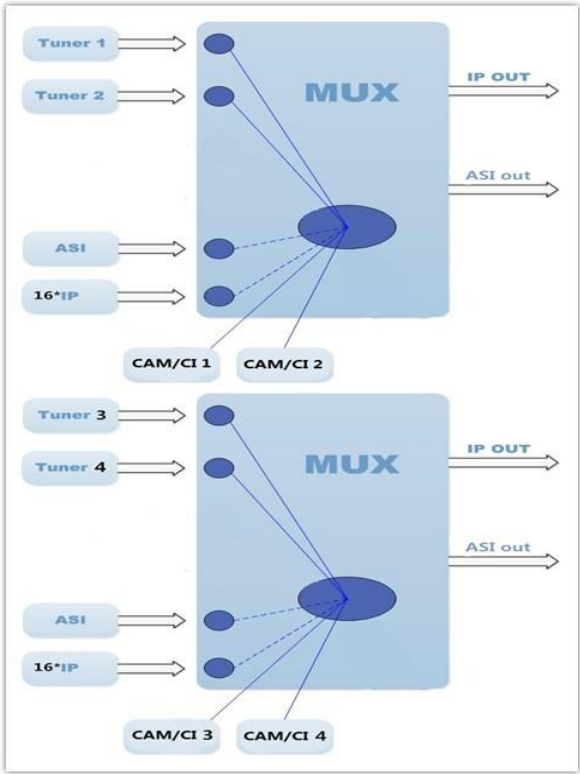
Features

- 4 Tuners (DVB-C, T/(T), ISDB-T, S/S2/S2X Optional) inputs
- 1 x ASI input, 4 x IP(UDP) input (IRD1340S)
- 2x ASI input, 32x IP(UDP) input (IRD1340M)
- Data stream Protocol of UDP, RTP, RTSP
- 48*SPTS&4*MPTS IP over UDP and RTP/RTSP output and 4 separate ASI out for passthrough (IRD1340S)
- IP (2*MPTS & 32*SPTS) over UDP and RTP/RTSP output; ASI out (IRD1340M)
- Four CI interfaces which comply with EN50221 standard to support Multiple programs from Tuners/ASI/IP can be decrypted via 1 CAM
- BISS-1 and BISS-E function supported
- PCR correction
- Supported CAM card brands: Conax, Smit, NSTV, IRDETO, NDS, MediaGuard, Nagravision, Power vu
- Support maximum 128 PID mapping per input
- LCD display, remote control and firmware
- Easy-to-Use System Management
- WEB NMS management, Update via web

Application

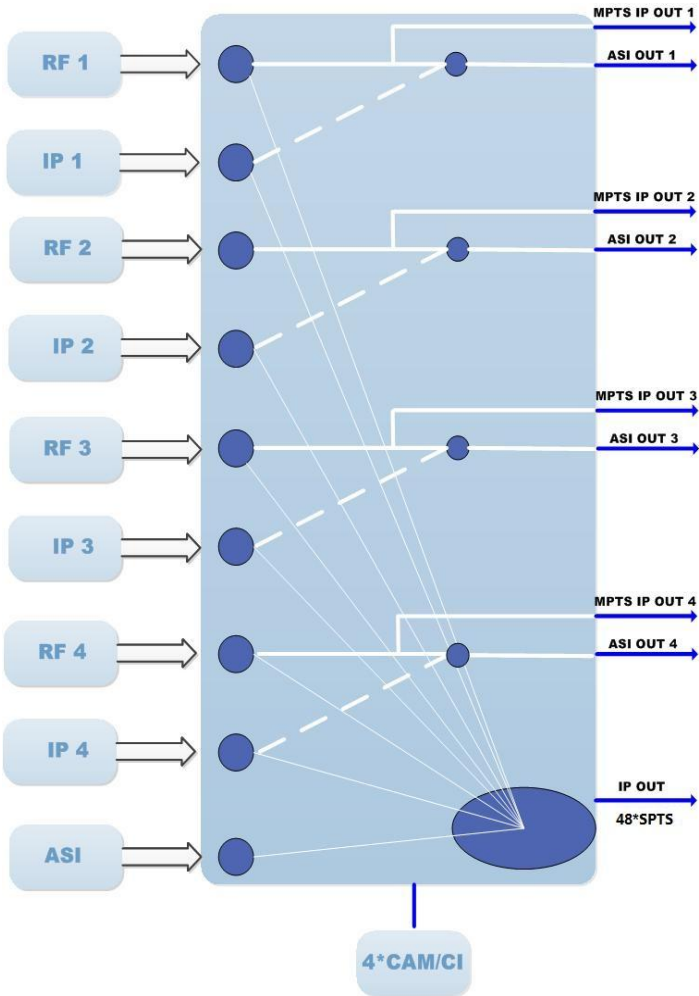
- All-IP headend solution
- Digital Satellite, Cable Descrambling to IP, ASI stream out
- IP Inputs descrambling to IP, ASI stream out
- ASI Inputs descrambling to IP, ASI stream out

Principle Chart



IRD1340M

- 2 Modules



IRD1340S

- Choose 4 channels from the 9 inputs to descramble.
- CI 1&2 are designed to descramble tuner 1/2, ASI or IP 1~4.
- CI 3&4 are designed to descramble tuner 3/4, ASI or IP 1~4.
- ASI out and MPTS IP out are for passthrough RF/IP inputs one to one.

TECHNICAL SPECIFICATIONS

Tuner Section

Multi-mode tuners switchable

DVB-C

Standard	J.83A (DVB-C), J.83B, J.83C
Input Frequency	60 MHz ~ 860 MHz
Constellation	J.83A, J.83C: 16/32/64/128/256 QAM J.83B: 64/256 QAM

DVB-T/(T)

Input Frequency	60 MHz ~ 860 MHz
Bandwidth	6M, 7M, 8M

ISDB-T

Input Frequency	60 MHz ~ 860 MHz
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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	≤160 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	≤160 Mbps

DVB-S2X

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,

Constellation	9/10, 13/45, 9/20, 11/20
Max input bitrate	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 QPSK, 8PSK, 8APSK, 16APSK, 32APSK ≤160 Mbps

Input

4x RF (DVB-C, T/(T), ISDB-T, S/S2/S2X optional),
F type
2×ASI input for de-mux, BNC interface
4xIP input for de-mux (UDP) (IRD1340S)
2*ASI, 32*IP for remux (IRD1340M)

Output

IP output
IRD1340S
48*SPTS over UDP, RTP, RTSP
4*MPTS over UDP, RTP, RTSP for RF in passthrough
1000M Base-T Ethernet interface

IRD1340M

BISS descrambling
CAM/CI Quantity
IP (2*MPTS & 32*SPTS) over UDP and
RTP/RTSP output; 2 ASI out (Mirrored Port)
BISS-1 and BISS-E
4

System

Local interface
Remote management
Language
Upgrade
LCD+control buttons
Web NMS Management
English
USB, web management

Environment

Power supply
Power consumption
Operatio temperature
Dimensions
Weight
AC 100V ~ 240V
20W
0 ~ 45°C
482mm*400mm*44.5mm
3kg