

INGRON1501IS SD Professional IRD



Feature

- Tuner input mode available for DVB-T/DVB-S2/ DVB-S/DVB-C, and ISDB-T
- Input available with Tuner, ASI, IP(UDP)
- SD MPEG-2 digital video decoding
- Diversified choices of output interfaces, including ASI, CVBS, YPbPr,, SD-SDI, XLR 10/100M TS over IP output(optional)
- 2*DVB-CI slots for multi-program decryption
- BISS-1 and BISS-E decryption modes supported
- Closed Caption(CC) support
- Support VBI TELETEXT, EBU/ DVB Subtitle
- RSSI, received Eb/No & BER monitoring
- Built-in de-multiplexer
- Unicast and multicast modes supported for IP out
- Dynamic PMT detection and automatic updating
- Monitoring working state by network system
- Software upgrading through IP
- Easy-operation by LCD and keyboard on front panel

Specifications

Tuner Input

DVB-C Mode	Connector Type	1*F type female 75Ω for input; 1*F type female 75Ω for loop through output
	Input Frequency	47 ~ 860 MHz
	Input Level	45 ~ 75 dBuv
	Symbol Rate	1~7 Mbaud
	Constellation	16/32/64/128/256 QAM
	Bandwidth	6 MHz / 7 MHz / 8 MHz
DVB-S/S2 Mode	Connector Type	1*F type female 75Ω for input; 1*F type female 75Ω for loop through output
	Input frequency	950 ~ 2150 MHz
	Symbol Rate	2 ~ 45 MBaud (for DVB-S); 1 ~ 45 Mbaud (for DVB-S2, QPSK); 1 ~ 30 Mbaud (for DVB-S2, 8PSK)
	Input Level	-65 ~ -25 dBm
DTV-T Mode	Roll-off Factor	(DVB-S) 0.35; (DVB-S2) -0.35, 0.25, 0.2
	Connector Type	1*F type female 75Ω for input; 1*F type female 75Ω for loop through output
	Input frequency	146~862MHz
	Input Level	-70~-20dBm
	Bandwidth	6/7/8MHz
ISDB-T Mode	FFT mode	2k/8k
	Connector Type	1*F type female 75Ω for input; 1*F type female 75Ω for loop through output
	Input Frequency	153 ~ 862 MHz
	Input Level	-70 ~ -20 dBm
	Bandwidth	6 MHz / 7 MHz / 8 MHz

ASI Input

Standard	DVB-ASI, EN50083-9
Bit-Rate	≤49 Mbps
Connector Type	1*BNC female 75Ω

IP Input

Protocols	TS over IP, UDP
Bit-Rate	≤70 Mbps
Connector Type	RJ45, 10/100M Base-T

DVB-CI Module

Descrambling Processing	DVB-CAS
Smart Card Interface	ISO7816
Interface Card Separation	PCMCIA
BISS Mode	BISS-1, BISS-E

TS Processing

TS Input Management Remux and demux among Tuner / DS3 (optional), ASI and TS/IP Inputs
Service and PID management Remux, filtering and remapping
PSI/SI table regeneration, NIT and SDT edition, LCN Edition and Re-generation

Output

ASI Output	Number	2*ASI
	Standard	EN 50083-9 ASI
	Output Bit Rate	Max. 54 Mbps
	MPEG Frame	188/204 byte
	Reflection Loss	>10 dB
	Connector Type	75 Ω, BNC interface
IP Output	Transport Protocol	TS over IP output, UDP protocol Multicast/Unicast
	Connector Type	RJ45, 10/100M Base-T
Video Output	CVBS	1*CVBS, BNC interface 576i@25fps, 480i@29.97
	YPbPr(BNC)	1*YPbPr, BNC interface 576i@25fps, 480i@29.97
	SDI(BNC)	1*SDI, BNC interface 576@25fps, 480i@29.97
	Video Decoding	MPEG-2(MP@ML),SD
	Audio Output	Stereo Unbalanced Audio
Stereo Balanced Audio		1*XLR
PCM Audio Embedded		1*SDI,
Audio Decoding		MPEG-1 Layer II, AC3, HE-AAC(V2), LC-AAC

Management

Local Control	by keyboard or LCD on front panel
Upgrading	by Ethernet software interface
Remote Control	by web management
Language	English

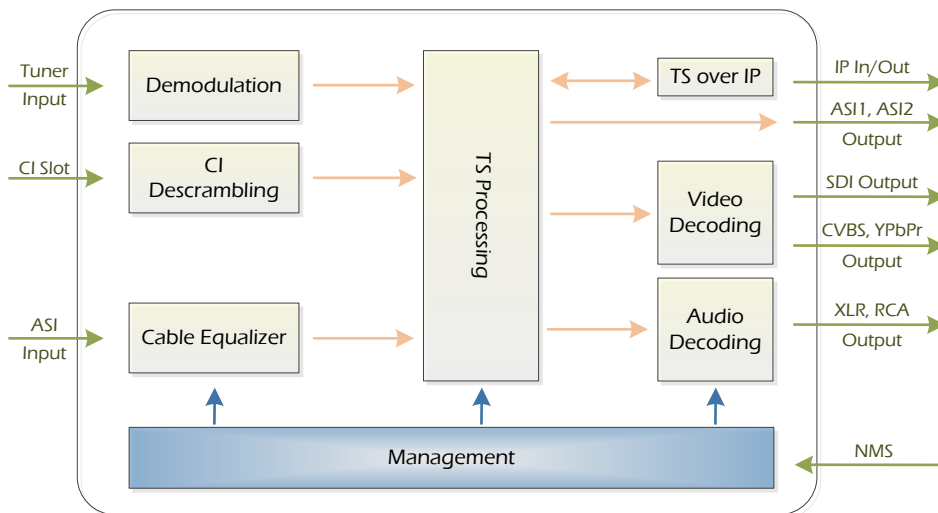
General

Voltage	100~240V AC, 50/60Hz
Power Consumption	18.0 W
Environment	0~45°C (Operation), -20~80°C (Storage)
Dimension (W*D*H)	482*405*44 mm
Gross Weight	4.0 KGS

Introductions

INGRON1501IS is a professional integrated receiver decoder together with a built-in transport stream processor. Equipped with a wide range of inputs of DVB-T/T2, DVB-S/S2, or DVB-C tuner, ASI and TS/IP, it can be used in the satellite, cable, terrestrial and IP networks. It provides a powerful transport stream processing engine for re-multiplexing, descrambling, TS over IP encapsulation. It has 2 DVB common interface slots capable of working with most of well-known CAS in the market to de-encrypt multiple pay TV services. Its re-multiplexing capability enables creation of customized SPTS and MPTS output to IP and ASI ports. INGRON1501IS is also a professional a broadcast quality decoder for MPEG-2 Standard Definition format, and provides a wide range of industry standard digital analog video and audio outputs, CVBS, Component, AES/EBU, and SDI. This unique multi-function architecture makes INGRON1501IS an ideal product for digital TV broadcast network.

Diagram



Rear Panel



Options

	RIS1501-S2	RIS1501-T	RIS1501-C	RIS1501-I
Tuner In Mode	DVB-S2	DVB-T	DVB-C	ISDB-T