

INGRON I 132FR Eight-Channel Professional Receiver



Feature

- Configured with 8*ASI inputs; or 8* Tuner inputs, mode in DVB-T/T2, DVB-S2, DVB-S, DVB-C, ISDB-T, ATSC-T
- Integrated with demodulation & gateway function modules
- MPEG-2, MPEG-4 TS to IP one way conversion supported
- IP out in 256*SPTS/32*SPTS/20*SPTS, on UDP, RTP/RTSP protocol
- Unicast and multicast modes supported for IP output
- **BISS descrambling supported(for 20*SPTS out only; up to 120 Mbps)**
- 1 GigE output, supporting parallel 1Gbps data output channel
- Max. bit-rate of 800 Mbps achievable
- Monitoring working situation by network system
- Software upgrading through IP
- Easy-operation by LCD and keyboard on front panel

Specifications

Tuner input

DVB-C Mode	Connector Type	8*F type female, 75Ω for input; 8*F type female, 75Ω for loop through output
	Standard	J.83A/B/C
	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	8*F type female, 75Ω for input; 8*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)
	Code Rate	(DVB-S, QPSK) 1/2, 2/3, 3/4, 5/6, 7/8; (DVB-S2, QPSK, 8PSK) 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	Input Level	-65 ~ -25 dBm
	Roll-off Factor	(DVB-S) 0.35;
(DVB-S2) 0.35, 0.25, 0.2		
DVB-T/T2 Mode	Connector Type	8*F type female, 75Ω for input; 8*F type female, 75Ω for loop through output
	Input Frequency	146 ~ 862 MHz
	Input Level	-70 ~ -20 dBm
	Bandwidth	6 MHz, 7 MHz, 8 MHz
	FFT	2K/8K

ATSC Mode	Connector Type	8*F type female 75Ω for input; 8*F type female 75Ω for loop through output
	Input Frequency	54~ 864 MHz
	Input Level	-70 ~ -20 dBm
	Bandwidth	6 MHz
	Constellation	8VSB
ISDB-T Mode	Connector Type	8*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

ASI Input	Number	8*ASI
	Standard	DVB-ASI, EN50083-9
	Input Bit-Rate	≤49 Mbps
	Connector Type	BNC female interface, 75Ω

Output

IP Output	Transport Protocol	TS over IP output, UDP protocol
	Mode	Unicast or multicast
	Connector Type	RJ45, 1000M GigE
	Output Channel	256*SPTS/32*SPTS or 20*SPTS(with Biss Description) for option

Other Functions

BISS Descrambling	Mode	Mode 1, Mode E
	Available for 20*SPTS out version only	

Management

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

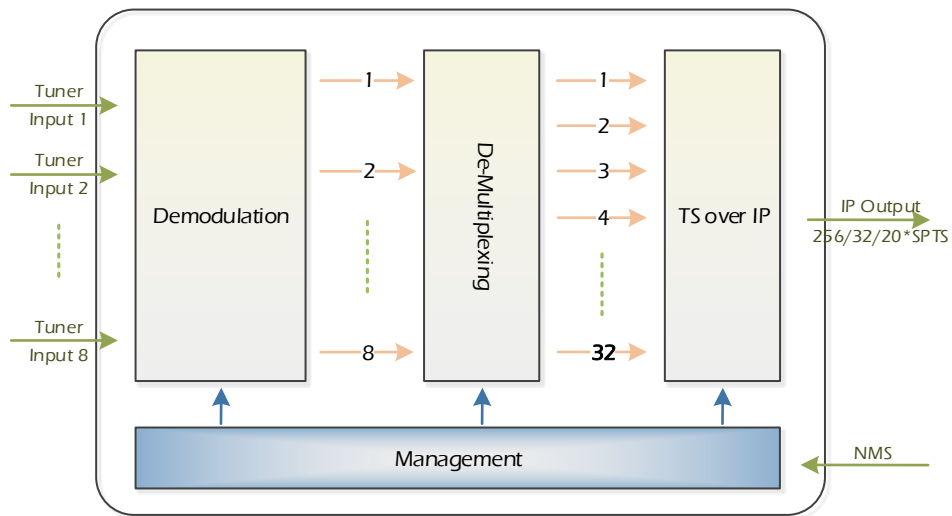
General

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

INGRON I132FR Eight-Channel Professional Receiver acts as a high-efficiency device for conversion from Tuner or ASI to IP in digital TV head-end systems. It demodulate received 8*RF signals to TS signals (or 8*ASI), and then transmit them via IP(GigE, 1000M, UDP protocol) port. RF input signals can be in DVB-C, DVB-S/S2, DVB-T/T2, ISDB-T or ASTC standard. The device is able to output with 256*SPTS/32*SPTS/20*SPTS, while with 20*SPTS out version, BISS descrambling is supported. Due to its features of high integration, multi-channel capacity designs, low error rate, etc., INGRON I132FR has been widely used between the new generation of IP network and DVB network, and also an ideal and cost-effective choice in IPTV systems.

Diagram



Rear Panel



Options

	INGRON1132FR-S2	INGRON1132FR-T	INGRON1132FR-C	INGRON1132FR-A
8*DVB-S/S2 Tuner	YES	/	/	/
8*DVB-T/T2 Tuner In	/	YES	/	/
8*DVB-C Tuner In	/	/	YES	/
8*ASI In	/	/	/	YES
IP Output	256*SPTS	256*SPTS	256*SPTS	256*SPTS