

## INGRON1 108FR Eight-Channel Professional Receiver



### Features

- Configured with 8\* Tuner/8\*ASI inputs, mode in DVB-T, 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 output in 8\*MPTS, on UDP protocol, unicast/multicast
- **BISS descrambling supported(up to 512 PID for tuner in)**
- 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
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	1 ~ 45 Mbaud (for DVB-S2, QPSK) 1~35 Msps (for 16APSK, <b>optional</b> ) 1~28 Msps (for 32APSK, <b>optional</b> )
	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 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

#### Output

IP Output	Transport Protocol	TS over IP output, UDP protocol
	Mode	Unicast and multicast
	Connector Type	RJ45, 1000M GigE
	Output Channel Qty.	8*MPTS over 8*IP addresses

Management

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

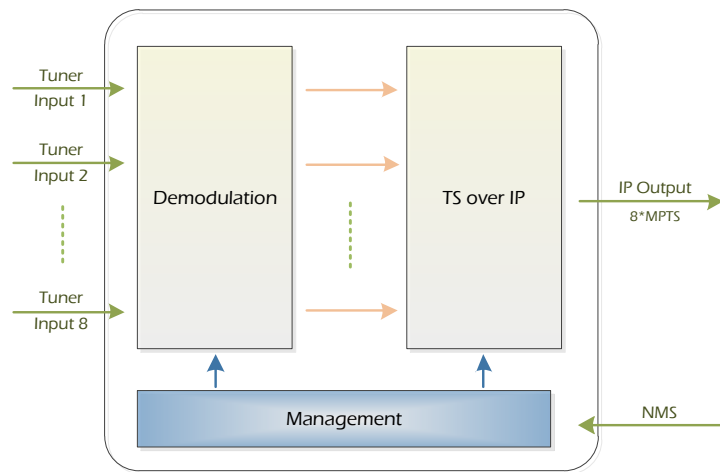
General

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 I108FR Eight-Channel Professional Receiver acts as a high-efficiency device for conversion from Tuner to IP in digital TV head-end systems. It demodulate received RF signals to TS signals, and then transmit them via IP (GigE, 1000M, UDP protocol) port. RF input signals can be in DVB-C, DVB-S/S2, DVB-T, ISDB-T or ASTC standard. The device is able to output with 8\*MPTS via 8\*IP addresses. Due to its features of high integration, multi-channel capacity designs, low error rate, etc., INGRON I108FR 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

	INGRON I108FR-S/S2	INGRON I108FR-T/T2	INGRON I108FR-C
Tuner In Mode	DVB-S/S2	DVB-T/T2	DVB-C