

## INGRON4002TS Dual-Channel Out Multiplexer



### Feature

- Compliant with ISO13818 & EN300468 standard
- Function of re-multiplexing of 2-channel TS, configured with 2\*ASI+2\*ASI(backup) interfaces
- 8\*ASI or 6\*Tuner+2\*ASI inputs optional
- Mode of DVB-C, DVB-S/S2, DVB-T/T2, ISDB-T, ATSC optional(for tuner input)
- Built-in PCR capability
- Functions of PID filtering & re-mapping
- Equipped with empty packets filtering of IP out
- TS over IP output in UDP protocol, unicast and multicast modes available
- Providing PSI/SI compilation and NIT, LCN insertion
- Alarming function
- Easy operation by LCD and keyboard on front panel
- Remote control by SNMP

### Specifications

#### Input

|                 |   |
|-----------------|---|
| Input interface | 6*Tuner+2*ASI (Tuner in DVB-S/S2, DVB-T/T2, DVB-C, ATSC or ISDB-T mode)<br>8*ASI (item INGRON4002TS-A) optional |
| MPEG Frame      | 188/204 byte, automatic adaption  |

#### Re-Multiplexing

|   |
|---|
| Two Channels TS Re-Multiplexing                     |
| PID re-mapping (auto/manual optional)               |
| Providing PSI/SI compilation and NIT, LCN insertion |
| PCR accurate adjusting                              |
| PID Output range 0x0000~0x1FFF                      |

#### Output

|            |                        |                                  |
|------------|------------------------|----------------------------------|
| ASI Output | Number                 | 2*ASI+2*ASI(backup)              |
|            | Standard               | EN 50083-9 ASI                   |
|            | Output Bit Rate        | Max. 170 Mbps                    |
|            | MPEG Frame             | 188/204 byte                     |
|            | Reflection Loss        | >10 dB                           |
|            | Connector Type         | 75 Ω, BNC interface              |
| IP Output  | Protocol               | TS over IP output, UDP protocol  |
|            | IP Output Channel Qty. | 2*MPTS (as mirror of ASI output) |
|            | Mode                   | Unicast and multicast            |
|            | Connector Type         | RJ45, Gigabit Ethernet(1000M)    |

#### Management

|                |                                   |
|----------------|-----------------------------------|
| Local Control  | by keyboard or LCD on front panel |
| Upgrading      | by Ethernet software              |
| Remote Control | by SNMS                           |
| Language       | English                           |

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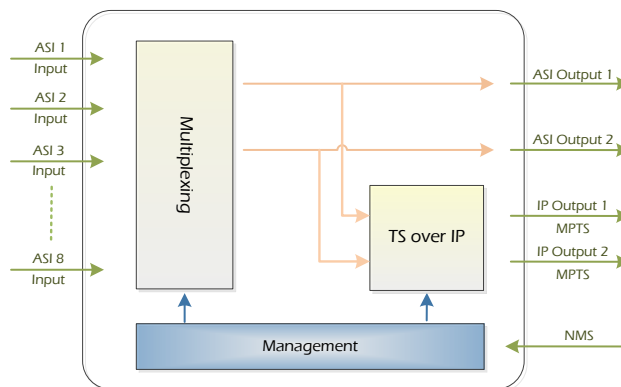
General

|                   |  |
|-------------------|--|
| 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                                |

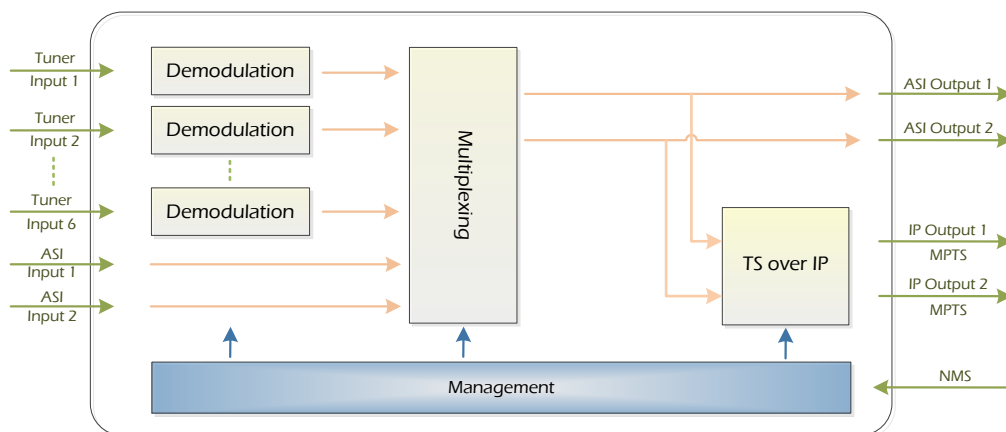
**Introduction**

INGRON4002TS Tuner & ASI in Dual-Out Multiplexer is a high-quality device, which is configured with demodulation and multiplexing modules in one unit. This unit has input choices of 6\*Tuner + 2\*ASI (INGRON4002TS-T) or 8\*ASI (INGRON4002TS-A), and provides output of 2\*ASI+2\*ASI(backup)+2\*TSolP. IP output is of Gigabit Ethernet(1000M), capable of transporting 2\*MTPS(sharing one data port, in mirror of 2\*ASI), and unicast & multicast can be optional. Besides, this multiplexer is also equipped with more functions, such as PSI/SI generating and editing, re-multiplexing, PID re-mapping, PCR accurate adjusting, etc.. With high integration, excellent performance and competitive cost, INGRON4002TS(-A) is widely used in CATV broadcasting system, digital TV head-end projects and so on.

**Diagram**



**INGRON4002TS-A**



**INGRON4002TS-T**

Rear Panel



Options

|                        | <b>INGRON4002TS -T</b> | <b>INGRON4002TS -A</b> |
|------------------------|------------------------|------------------------|
| <b>Input interface</b> | 6*Tuner+2*ASI          | 8*ASI                  |
| <b>Multiplexing</b>    | YES                    | YES                    |
| <b>IP output</b>       | YES                    | YES                    |