



# TSIP-ASI PROCESS

MERGING THE  
IP AND ASI  
HEADENDS

SUPPORTING  
WEB BROWSER &  
SNMP-BASED  
NETWORK  
MANAGEMENT.



**DVB-T2 S2 C** **IP** **⇌** **ASI** **RJ45**

# MODEL IDH2 3500

# Model IDH2 3500 Series

IDH2–3500 series is a multi–functional TS IP–ASI processor which performs the adaptation of interfaces between ASI and Gigabit Ethernet TS IP for the DVB headend, and also performs multiplexing and optional scrambling function to the MPEG transport streams before output. The IDH2–3500 series offers flexible licensing mechanism for scrambling functions, for connection up to four conditional access system(CAS).

## MAIN FEATURES



Supports various network interface conversion, TS pass–through, multiplexing and scrambling	Flexible configurations with module authorization management system	Supports various customizable PSI/SI table extraction and manual insertion
TWO adapter options: ASI to IP or IP to ASI, both IP to ASI and ASI to IP	Up to 24 multiplexing channels and multiplexing up to 512 programs	PID filtering, pass–through, PCR auto–correction
Up to eight ASI inputs (or outputs)	Complies with DVB–CSA, scrambling up to 256 programs Supports SD and HD programs	Real–time statistics and analysis of program bit rates
TS–over–UDP/RTP input or(and) output, supporting MPTS/SPTS	Front panel control and LCD display	Web and SNMP management for local and remote management and maintenances

# SPECIFICATIONS



## INPUT

**NUMBER OF INPUT:**

1x100/1000Base T Ethernet

**MPEG TS FORMAT:**

7 x 188 Bytes

**IP ENCAPSULATION:**

MPEG TS-over-UDP/RTP

**MPEG TS:**

MPTS and SPTS

**MAXIMUM NUMBER OF TS INPUT:**

IDH2-3500IA: 250 TS

IDH2-3500AI: 120 TS

IDH2-3500X: 4 TS

**EFFECTIVE BANDWIDTH:**

800Mbps (maximum)

**ADDRESSING:**

Unicast, Multicast(IGMPv1&v2)

**CONNECTOR TYPE:**

RJ-45

## ASI OUTPUT

**NUMBER OF OUTPUT:**

IDH2-3500IA: 8 x ASI

**DATA FORMAT:**

188/204 Bytes MPEG-TS packet length One SPTS/MPTS per ASI interface

**INPUT BIT RATE:**

1.5-100Mbps each, max. 800Mbps in total

**CONNECTOR TYPE:**

BNC (Female, 75Ω)

## MISCELLANEOUS

**FRONT PANEL:**

3.5" LCD with 6 x Control Button for 2-lines alphanumeric display & parameter settings.

3 x Dual color LED, for status indications of power, work and Alarm

**REAR PANEL:**

1 x Power Supply Receptacle (AC Input)

1 x Power switch

2 x RJ45 connectors

8 x BNC connectors(ASI)

## TS SCRAMBLING

**SCRAMBLING ALGORITHM:**

Comply with DVB-CSA

**NUMBERS OF CAS:**

Optional up to four DVB SimulCrypt CAS

**CAS STANDARD:**

ETSI TS 103 197

**CAS INTERFACE PROTOCOL:**

TCP/UDP (via Network Management Port)

**EMM BANDWIDTH:**

Up to 3 Mbps

**SCRAMBLING LEVEL:**

Program-level

**SCRAMBLING CAPABILITY:**

Up to 256 programs

# SPECIFICATIONS

## TS RE-MULTIPLEXING

### CAPACITY OF PROCESSING:

24 Multiplexing channels Up to 512 programs

### PCR:

Auto correction

### PSI:

PSI auto-generation, manual insertion

### PID:

Remapping and filtering & pass-through

### PSI/SI STANDARDS:

ISO/IEC 13818-1

DVB SI(ESI EN300468)

### REAL-TIME STATISTICS:

TS rate, program rate, PID rate

## ENVIRONMENTAL

### OPERATING TEMPERATURE:

0°C to 45°C(32°F to 113°F)

### STORAGE TEMPERATURE:

-20°C to 80°C(-4°F to 176°F)

### OPERATING HUMIDITY:

90%, non-condensing

## MECHANICAL

### PRODUCT DIMENSIONS (W X H X D):

483mm x 44.5mm x 450mm

19" x 1.73" (1 RU) x 17.7"

### PRODUCT WEIGHT:

Approx. 5Kg (11 lbs)

## POWER SUPPLY

### INPUT VOLTAGE:

90-250 VAC, 50/60Hz

### POWER CONSUMPTION:

50W (Typ.)

## NETWORK MANAGEMENT

### INTERFACE:

1 x 10/100 Base-T Ethernet

### CONNECTOR:

RJ-45

### MANAGEMENT:

Web browser and SNMP management



**RJ45**

**IP → ASI**

**DVB T2 S2 C**