TELELYNX

TS/IP-ASI PROCESSOR

IP TO ASI
ASI TO IP

SUPPORTING MULTI PLEXERS

SCRAMBLERS CAPTION

IDH2 3500 Series
Integrated Digital Headend

POWER
STATUS
ALARM

ENTER MENU

POWER 110-240VAC TCP/IP Data ASI
GbE 8 7 6 5 4 3 2 1
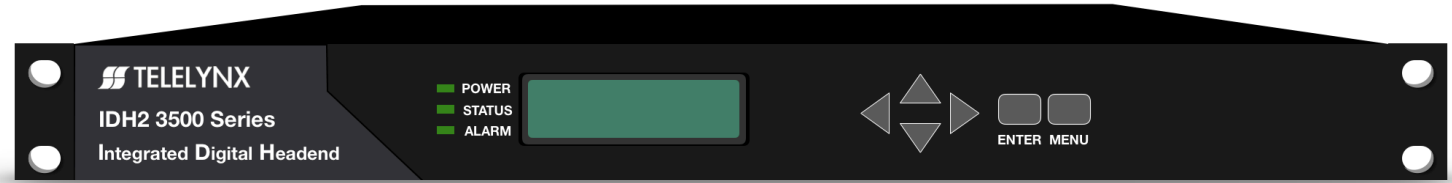
DVB T2 S2 C   IP⇄ASI

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
IDH2-3500AII: 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℃ to 45℃(32℉ to 113℉)

STORAGE TEMPERATURE:
–20℃ to 80℃(–4℉to 176℉)

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