PBI

Digital TV Scramblers

Brighten Your Digital View!

DCH-3000TP
DVB Scrambler

DCH-3000TP is a digital TV scrambler designed for the pay TV market. By using DVB common scrambling algorithm, DCH-3000TP supports Simulcrypt, BISS-1, BISS-E. Digital TV programs of MPEG2/MPEG4/H.264 in SD/HD are encrypted by scrambler DCH-3000TP and are not accessible for subscribers without authorization of operator and broadcasters. By using legal smart card containing the right key, the subscribers can have access to these pay TV channels. It provides 2 ASI inputs in redundancy, 2 ASI outputs in mirror with scrambled programs and 2 ASI outputs in mirror with clear programs for monitoring use. The IP Ethernet is used to connect to CA server for EMM/ECM information exchange. The equipment is configured and supervised by HTTP Web.

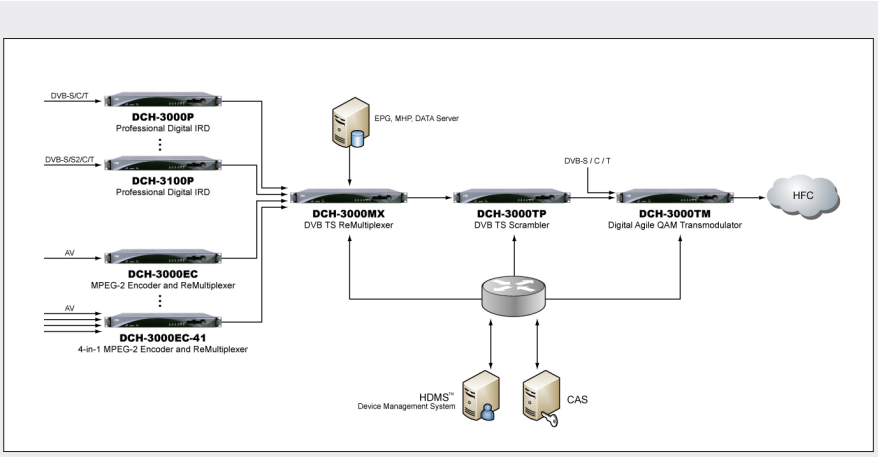
Main Feature

- Compliant with DVB Common Scrambling
- Support BISS1, BISS-E and Simulcrypt Modes
- 2 × ASI inputs in Redundancy Mode
- 2 × ASI scrambling outputs in mirror
- 2 × ASI loop-through clear outputs in mirror
- 48 × EMM and ECM processing
- Processing bit rate from 0.2Mb/s to 70Mb/s
- PSI/SI regeneration

2 × ASI inputs in Redundancy Mode

2 × ASI redundant scrambling output

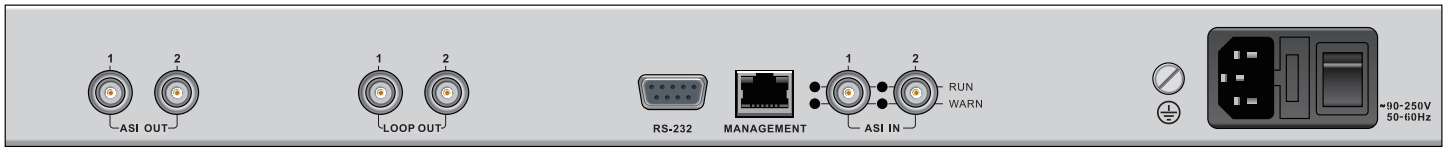
2 × ASI redundant loop-through clear output



Specification

ASI Input	
Connector Type	2 × BNC Female, 75Ω
Input Bit Rate	≤ 70Mb/s
Packet Mode	188/204 Bytes
ASI Output	
Connector Type	2 × BNC Female 75Ω for output, 2 x BNC Female 75Ω for loop through
Output Standard	EN50083-9
Output Bit Rate	1-54Mbps adjustable
Packet Mode	188/204 Bytes
TS Processing	
Scrambler Type	DVB Common Scrambling
Scrambler Mode	BISS-1, BISS-E and Simulcrypt
EMM/ECM Number	Maximum 4 × EMM and ECM
Control & Monitoring	
Connector Type	1 × RJ-45, 10/100M, for equipment IP Control
Remote Control	SNMP, HTTP Web
Software Upgrade	FTP Loader
Physical	
Dimension	44mm × 430mm × 240mm
Weight	2.7Kg Net, 3.7Kg Gross
Power Supply	AC 90V ~ 260V, 50/60Hz
Power Consumption	25W Max
Operating temperature	0 ~ 45℃
Storage temperature	-10 ~ 60℃
Operating Humidity	10 ~ 90%, non-condensed

Back panel Interface



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