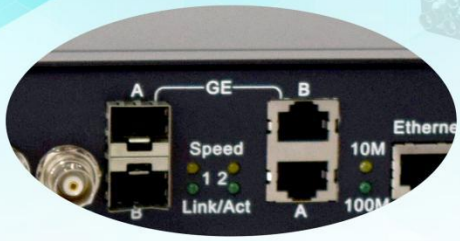
MUX7500

ISDB-T/Tb Multiplexer



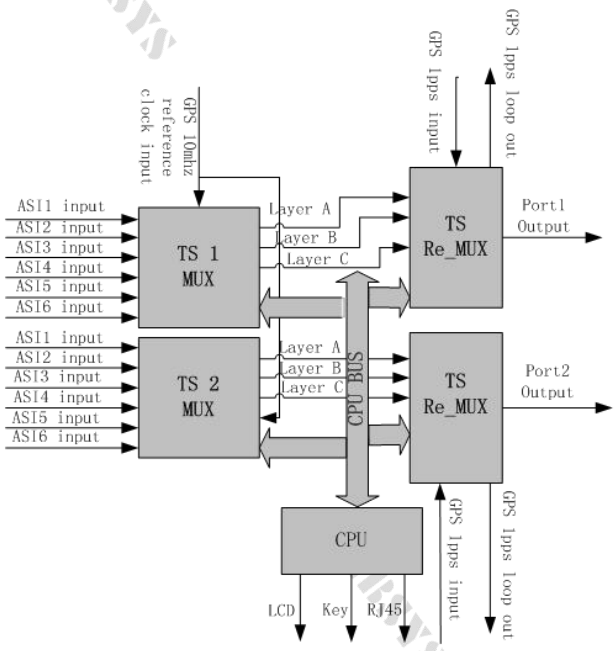
MUX7500 Multiplexer and Re-multiplexer developed for ISDB-T and ISDB-TB digital Television standards to adapt Japan, the Philippines and those South American countries such as Brazil and Argentina. It supports multi-programming according to the needs of the broadcaster. Additionally, it allows editing of PSI/SI tables, Manage Multi-Layer, BTS streams out with IP packet generation and Single Frequency Network (SFN) operation. MUX7500 ISDB-T multiplexer, can support up to 12 ASI inputs and Multiplexing to Two separate ASI outputs as mirror of IP out. Usually run with ISDB-T project, including One Seg encoder, ISDB-T/Tb Modulator and ISDB-T Transmitter.

Features

- Two Separate Channels MPEG-TS/BTS Multiplex from 12 ASI port inputs,1RU Chassis
- Simultaneous Multiplexed output over UDP IP,ASI
- BTS generation by default for SFN broadcasting
- ISDB-Tand ISDB-TB compliant
- Allows configuration of PSI/SI tables and The respective transmission layer definition
- PCR correction and PID Filtering,Remapping and Passthrough Capabilities with User-Defined PID Value and any Index of In/Out TS
- Separately set the parameters such as time delay for each device when it works as SFN mode
- IIP information generation and inserting
- Allows Number of segments,encoding code rate, modulation mode, time domain interlacing length for each layer and be set separately
- Low power consumption and high reliability with MTBF(Mean Time Between Failure) ≦87600 Hours
- Easy-to-Use System Management via Web/LCD Panel
- Dual Power Supply Supp

Application

- ISDB-T/Tb broadcasting
- One Seg ISDB-T application
- SFN broadcasting support



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TECHNICAL SPECIFICATIONS

Signal Inputs

MPEG-TS	Up to 12 Ports DVB-ASI , ≦160Mbps
Impedance	75 Ω
Connector	BNC
TS Packet Size	188/204 bytes

Clock Reference Input

Number of Port	1 port input, 1 port Loopout
Frequency	10MHz, BNC, 50Ω
Frequency stability	>0.05ppm(Internal); >0.5ppb(External)
Electrical level	100mV-3Vpp
Reference	Internal; External

Time Reference Input

Number of Port	1 port input, 1 port Loopout
Frequency	1PPS, BNC, 50Ω
Frequency stability	<16us
Electrical level	TTL
Reference	Internal; External

TS/BTS Outputs

DVB-ASI	Two separate ASI Ports, BNC, 75 Ω
GbE Transport Stream	Two separate RJ45/SFP Ports

ISDB-T/Tb Modulation

Bandwidth	6Mhz, 7Mhz, 8Mhz
Transmission Mode	8K(Mode 3); 4K(Mode 2); 2K(Mode 1)
Guard Interval	1/32; 1/16; 1/8; 1/4
Carrier Mode	DQPSK;QPSK;16QAM;64QAM
Code Rate	1/2;2/3;3/4;5/6;7/8
Interlace Length	0;1;2;4
Seg Number	0-13
Multi-Layer	Layer-A; Layer-B; Layer-C

PSI/SI Configuration

PAT,PMT,CAT,NIT,SDT, TOT/TDT	Table Send Speed Insert to Layer A/B/C
Input/Output PID	PID Remap

SFN Configuration

Max Delay	1-1000ms
Static Delay	Yes/No
Time Plarity	Positive/Negative
Time Offset	-1000-1000ms

Control Interfaces

Front Panel	2 line char LCD; 7* keyboard
Port	RJ45, 10/100BaseT,SNMP
Language	English
Alarm Status	PLL Lock; Layer Overflow; Teperature Alarm

ENVIRONMENT

Power Supply	AC 110V±10%; AC 220V±10%;50/60Hz;
Consumption	30W
Temperature	0 ~ 45℃(operation), -20 ~ 80℃ (Storage)
Dimensions	482mm × 455mm × 44.5mm
Weight	6.0kg

Ordering Information

Product category	Product Model	Detail Description	Application
Companion Products	PREMIUM SD MPEG-2/AVC ENCODER ***ENC3111***	1Ch **SD-**SDI/AV; **2Ch** RCA/XLR **Audio Encoding**; MPEG2/H264 SD; 4:2:0; DVB-ASI Cascading; AAC/MPEG1L2; Small/SD Res; CBR/VBR	Point to Point Enc/Dec; DVB/ISDB-T On Seg, IPTV
	PREMIUM SD and HD MPEG-2/AVC Encoder ***ENC3411 Plus***	1Ch HD-HDMI/YPbPr/1Ch SD/HD-SDI/1Ch SD-AV; **4Ch** RCA/XLR/1Ch AES **Audio Encoding**; MPEG2/H264 SD/HD; 4:2:0/4:2:2; AAC/ MPEG1L2/ **AC3-52**; **Low latency**; **LOGO, QR code, OSD(option)**; CBR	Point to Point Enc/Dec; DVB/ATSC; IPTV
	Professional ISDB-Tb Modulator **MOD6500**	TS(one Layer) /**BTS(3 Layers)** Over ASI/IP Input; linear/No-Linear **DPD**; 30~960MHz; MER>42dB; **10Mhz/1pps** In and Loop out;	ISDB-T/Tb
	Digital TV UHF Transmitter **DTT5900**	Typical powers: 100/200/**300**/800W; Single/Broadband freq; **470 to 860MHz**; Up to **80Mhz** band pass filter; Low power consumption and minimized non-linear distortion; **AGC;**	ISDB-T/Tb

