



NDS3105A

ISDB-T Multiplexer



Outline

NDS3105A ISDB-T multiplexer is a TS re-multiplexer developed to adapt Japan and those South American countries such as Brazil and Argentina. It supports 2 separate multiplexers which are fully complying with ISDB-T/Tb standard. This multiplexer can transfer the head-end single program and multi-program to ISDB-T/Tb standard TS as required. Additionally, it also supports PSI/SI table editing and generating, single frequency network and IIP packet editing and inserting. What's more, the NDS3105A ISDB-T multiplexer can support up to 12 channels input, 2 independent ASI output and 2 IP output, the transmission mode is compatible with hierarchy.

It is design with advanced management system which allows users to upgrade and control the multiplexer system online through network.

Features

- Fully complying with ISDB-T/Tb standard
- PSI/SI rebuilding, editing and generating; descriptor data inserting



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- Support accurate PCR adjusting
- Support PID filtering, re-mapping
- Support IP output over UDP protocol
- Support network remote upgrade
- Two separate channels TS re-Multiplexing
- Huge buffer, suddenly code stream resistance
- Support input 188/204Byte transmission stream packet
- Supporting hierarchy transmission, support SFN
- Support set transmission interval of PSI/SI table
- Support IP packet editing and generator
- Support LCD/keyboard and net management, support NMS/SNMP

Specifications

Signal inputting	12 ASI input
	188/204Byte transmission stream packet
	TS packet mode and suddenly code rate mode
	GPS 10mhz reference clock inputting
	GPS 1pps signal inputting
Re-multiplexing	2 separate channels TS re-multiplexer
	PCR accurate adjusting
	PSI/SI table automatically generating
Modulation parameter	Mode: mode1(2k) mode2(4k) mode3(8k)
	Guard interval: 1/4 1/8 1/16 1/32
	Coding rate: 1/2 2/3 3/4 5/6 7/8
	Constellation: DQPSK QPSK 16QAM 64QAM
	Layer: A A+B A+B+C
	Bandwidth: 6MHz 7MHz 8MHz
SFN parameter	Maximum time delay: 0ms - 1000ms
	Off set: -1000ms - +1000ms
	Device ID: 0 - 30
Output	2 ASI output(BNC)
	2 IP output(UDP protocol)
	RS encoding output supporting

	GPS 1pps and GPS 10Mhz loop-out(BNC)
General	Demission: 44mmx482mmx410mm
	Temperature: 0-45°C (operation) -20-80°C (storage)
	Power supply: 220VAC±10%, 50/60Hz, 10W

Principle Chart

