

Features

- Fully Compliant with ISDB-T and ISDB-Tb
- PSI/SI rebuilding, editing and generating
- Descriptor data inserting
- Accurate PCR adjusting
- SFN support, supporting hierarchy transmission
- Up to twelve (12) ASI inputs per unit
- Two (2) separate TS re-multiplexed ASI outputs per unit
- PID Remapping
- Support input 188/204 byte TS packet
- Support IIP packet editing and generator
- 1RU compact rugged rackmount chassis
- High reliability design

IDC MUX-5012i Multiplexer

Flexible multiplexer for broadcast applications

Description

International Datacasting's MUX-5012i is an extremely feature rich ISDB-T/ISDB-Tb transport stream multiplexer. Up to 12 ASI inputs can be supported. The output may be configured as two separate multiplex groups to simplify feeding different service providers with different groups of services.

Ideal for converting your transport to ISDB-T

TSM5012i multiplexer is a TS re-multiplexer that is designed for ISDB-T and ISDB-Tb Digital Terrestrial Television broadcast video distribution. The TSM5012i supports 2 separate multiplexers which are fully complying with ISDB-T/ISDB-Tb standard. This multiplexer can transfer the head-end SPTS and MPTS to ISDB-T standard TS as required. Additionally, it also supports PSI/SI table editing and generating, single frequency network and IIP packet editing and inserting. With its complete feature set the TSM2012i is the ideal product for converting your DVB transport to ISDB-T/ISDB-Tb.

Easy to use

There is a complete set of backlit alphanumeric full-travel buttons on the front panel for easy configuration, even in the dark. The large LCD display is illuminated, yet provides high contrast for visibility in direct sunlight. Control may be via the simple front panel interface or via the integrated web browser controlled software interface.

Reliable and affordable

The MUX-5012i multiplexer provides an industry-leading set of features in a highly compact, highly affordable package. The unit is designed for demanding 24 / 7 environments for years of reliable operation.



TECHNICAL SPECIFICATIONS—MUX-5012i Multiplexer



STANDARD FEATURES	
Transport Inputs	<ul style="list-style-type: none"> Up to twelve (12) ASI inputs supported 188/204 byte transport stream GPS 10ms reference clock input GPS 1pps signal input
Transport Stream Processing	<ul style="list-style-type: none"> 2 separate channels TS-remultiplexer PCR accurate adjusting PSI/SI table automatic generation
ASI Output	<ul style="list-style-type: none"> Two (2) ASI outputs RS encoding output support GPS 1pps and GPS 10Mhz loop-out (BNC)
Modulation	<ul style="list-style-type: none"> Modes: 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 Support	<ul style="list-style-type: none"> Max time delay: up to 1000ms Offset: delay -1000ms to + 1000ms Device ID: 01-30

STATUS AND CONTROL INTERFACES	
Front Panel Control	<ul style="list-style-type: none"> Backlit, Full-Travel Pushbuttons Backlit LCD Display
Remote Control	<ul style="list-style-type: none"> Web Based Control management RJ 45 100Base-T
POWER REQUIREMENTS	
Supply Voltage	<ul style="list-style-type: none"> 90 to 240 VAC, 50 or 60 Hz
Power Consumption	<ul style="list-style-type: none"> 10 Watts
PHYSICAL PARAMETERS	
Chassis	1RU rackmount
Dimensions (H, W, D)	4.5 cm x 48.2 cm x 41.0 cm
Weight	5.5 kg (12 lbs)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0° to 45° C (32° to 113° F)

International Datacasting Corporation is a technology provider for the world's premiere broadcasters in radio, television, data and digital cinema. IDC's products and solutions are in demand for radio and television networks, targeted ad insertion, digital cinema, 3D live events, VOD, and IPTV. IDC is headquartered in Ottawa, Canada, has installations in over 100 countries, and a strong world-wide network of value-added partners and distributors. For more information visit: www.datacast.com.

HEADQUARTERS: 50 Frank Nighbor Place, Kanata, ON Canada K2V 1B9

Tel: +1 613.596.4120

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