



CODICO® RTM-3300 Compact DVB Re-multiplexer and Stream Processor

General

The RTM-3300 is a compact (1RU) DVB Multiplexer/Re-multiplexer and transport stream processor, rich in capabilities and options. It is highly interoperable with multi-vendor Headend equipment and Conditional Access Systems.

Applications

- Fixed Distribution/Contribution
- Small-to-medium head-end applications
- Digital Turnaround
- Satellite, Cable, DVB-T, MMDS
- Multi channel mobile contribution
- Transport stream processing
- Integrated or stand-alone DVB scrambler (Simulcrypt or BISS)
- PSI/SI tables injector
- Video Distribution over Telco

Features and Options

- DVB Multiplexing of up to 10 MPEG-2 Transport Streams (MPTS/STPS)
- Advanced Re-multiplexing (Add/Drop)
- Up to 120 Mbps input/output bitrates
- PID re-mapping and Transport Stream Processing
- PSI/SI Auto-generation and processing
- PSI/SI Generator Support for DVB Table editing and EPG insertion
- Open Systems DVB Simulcrypt ver-3 Interface
- Support of leading consumer Conditional Access (CA) systems
- Built-in DVB scrambler (optional)
- Stand-Alone DVB Scrambler (optional)
- Multi-channel BISS Scrambling (optional)
- IP Encapsulator Interface
- Modular, scalable and configurable
- Dynamic input switching for redundant applications
- Dry contact alarm indicators (GPI)

Advanced re-multiplexing

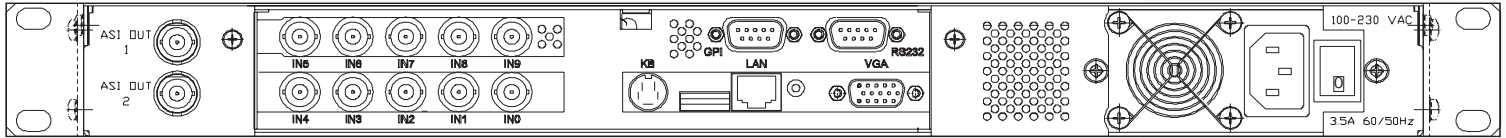
CODICO® SI-3050 PSI/SI
Generator Support

DVB Simulcrypt interface with
leading Conditional Access
Systems

Flexible number of inputs
between 5 and 10

Stand alone DVB Scrambler

Telco interfaces



Inputs

- DVB-ASI: 5 to 10 inputs**
- Interface: Copper
 - TS bit rate: Up to 120 Mbps

Outputs

- Variable Output Rate
- DVB-ASI: Dual output**
- Interface: Copper
- TS bit rate (unscrambled): Up to 120 Mbps
- TS bit rate (Scrambled): Up to 78 Mbps

- DVB-PDH (optional):**
Dual output
- Protocol: ATM AAL-1
 - Data rates: DS3, E3
- G.703 (optional):** Dual output
- Unframed, E2 or E3
 - FEC (optional): DVB-C FEC

Processing

- Re-Multiplexing**
- Service level
 - Component level

- TS Processing**
- PID Remapping
 - PCR Restamping
 - PSI/SI DVB Table Processing and Injection
 - CODICO® SI-3050 PSI/SI Generator Support for DVB Table editing and EPG insertion

Conditional Access (optional)

- DVB-Scrambling
- CODICO® CAS-5020 CODICrypt® Support
- Multi-channel BISS scrambling

- Simulcrypt**
- Interface: 100BaseT, ASI
 - CAS: Irdeto®, Viaccess®, Nagravision®, Comvenient, MediaGuard®, NDS, VideoGuard®, Conax®, Chinacrypt®, Cryptoworks, other

Control and Monitoring

- Local**
- Extensive Front Panel Control
 - Local Terminal and RS-232
 - Configuration Files

- Remote**
- CODICO® NMS-4000 via Ethernet TCP/IP (optional)
 - Software upgrade
 - Telnet access via Ethernet

Physical Details

- 1RU high unit Free-standing or rack-mountable (19" rack)
- 4.4 X 48.2 X 45.7cm
- 1.75" X 19" X 18"
- Weight: 7Kg

- Power**
- Voltage: 90-260 V AC, 50/60Hz
 - -48VDC (optional)
 - Power consumption: 70 Watt max

Compliance

- EMC**
- FCC part 15 (class A)
 - CE

- Safety**
- CE • CB • cTUVus • UL60950 • GS

Operating Conditions

- Operation**
- Temperature: 0°C - 45°C
 - Humidity: 5% - 85% non-condensing

- Storage & Transportation**
- Temperature: -40°C - 70°C
 - Humidity: 0% - 95% non-condensing

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