



## CODICO® RTM-3800 Statistical DVB Multiplexer/ Re-multiplexer

### General

The RTM-3800 is a high-end DVB Statistical Multiplexer/re-multiplexer, rich in capabilities, output interfaces and options. It is highly interoperable with multi-vendor Head-end equipment and Conditional Access Systems.

**TriplePass™** – The RTM-3800 supports Scopus TriplePass™ - 3 step parallel approach, securing best encoding and multiplexing mechanism in multi-encoder environment, based on E-1200 encoders. TriplePass™ is based on pre-processing, compression complexity estimation and statistical multiplexing.

### Applications

- Fixed Distribution / Contribution
- Satellite, DVB-T, MMDS
- Cable TV head-ends
- Digital Turnaround
- Video Distribution over Telco infrastructure
- Video-on-Demand
- Transport Stream re-multiplexing
- Transport Stream processing

### Features and Options

- DVB Multiplexing of up to 25 MPEG-2 Transport Streams
- Statistical Multiplexing Support for up to 20 E-1200 encoders
- Advanced Re-multiplexing (Add/Drop)
- Up to 120 Mbps Input/Output bitrates
- PID re-mapping and Transport Stream Processing
- CODICO® SI-3050 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)
- Multi-channel BISS Multiplexing (optional)
- Modular, scalable and configurable
- Dynamic input switching for redundant applications
- Dry contact alarm indicators (GPI)

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DVB Transport Stream  
Statistical Multiplexing utilizing  
TriplePass™ with  
CODICO® E-1200 Encoders

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Advanced Re-multiplexing

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CODICO® SI-3050 PSI/SI  
Generator Support

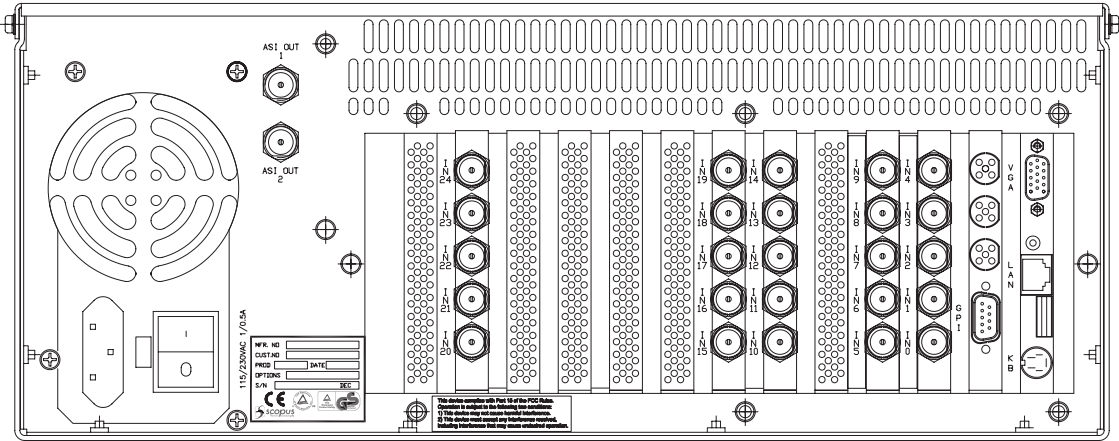
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DVB Simulcrypt Interface with  
leading Conditional Access  
Systems

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Telco interfaces

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## Inputs

- DVB-ASI:** 10/15/19/25 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 (all inputs)

- Service level
- Component level

### Statistical Multiplexing

- CODICO® SM-3010 Statistical Multiplexing Support up to 20 CODICO® E-1200 encoders

### 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®, Comverient, NDS, MediaGuard®, 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

- 4RU high unit Free-standing or rack-mountable (19" rack)
- 17.5 X 48.2 X 45.7cm
- 7" X 19" X 18"
- Weight: 11 Kg / 22 lbs

## Power

- Voltage: 90-260 V AC, 50/60Hz
- -48VDC (optional)
- Power consumption: 110 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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