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
**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®, Crytoworks, 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 45.7 cm
- 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**
- Temperature: 0°C - 45°C
- Humidity: 5% - 85% non-condensing

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