



CODICO® RTM-3300

Compact DVB Re-multiplexer and Stream Processor



The compact RTM-3300 DVB Multiplexer/Re-multiplexer and Transport Stream Processor offers numerous capabilities and options and is interoperable with most headend equipment and conditional access systems

Applications

- Fixed distribution/contribution
- Small-to-medium headend applications
- Digital turnaround
- Satellite, cable, DVB-T, MMDS
- Multi-channel mobile contribution
- Transport stream processing
- Integrated or stand-alone DVB scrambler (Simulcrypt or BISS)
- Video distribution over Telco networks

Product Highlights

- DVB multiplexing of up to 10 MPEG-2 transport streams (MPTS/STPS)
- Service re-multiplexing (Add/drop)
- Input/output bitrates of up to 120 Mbps
- 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 system DVB Simulcrypt interface
- Support of leading consumer conditional access (CA) systems
- Built-in DVB scrambler (optional)
- Multi-channel BISS scrambling (optional)
- Dynamic input switching for redundant applications
- Dry contact alarm indicators (GPI)

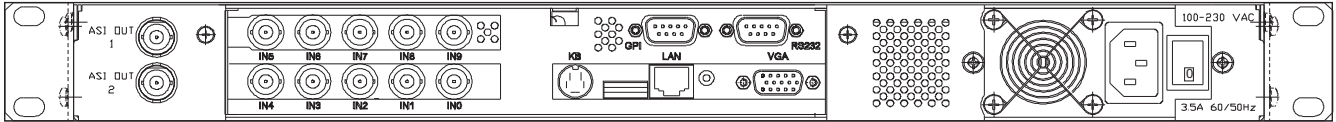
Business Benefits

Cost effective solution for small to medium remultiplexing and scrambling applications

Feature rich yet easy to use, minimizes operational expenses

Telco interfaces for video distribution over ATM, SDH networks

Any existing network may be secured with the stand-alone scrambler



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Product Specifications & Ordering Information

Inputs

DVB ASI

- 5 or 10 inputs
- One input in Stand Alone Scrambler
- Interface: Copper
- TS bit rate: Up to 120 Mbps

Outputs

DVB-ASI: Dual output

- 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 re-stamping
- 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-S scrambling
- CODICO® CAS-5020 CODICrypt® support
- Multi-channel BISS scrambling

SimulCrypt

- Interface: 100BaseT
- CAS: Irdeto®, Viaccess®, Nagravision®, Comvenient, MediaGuard®, NDS, Conax®, Chinacrypt®, Cryptoworks, and others

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 Characteristics

- 1RU (19" rack)
- Free-standing or rack mountable
- Dimensions (H x W x D):
4.4 cm X 48.2 cm X 45.7 cm (1.75" X 19" X 18")

Power

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

Weight

- 7 kg (15.4 lbs)

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

Ordering Information

Hardware models

- RTM-3305 - 5 ASI inputs
- RTM-3310 - 10 ASI inputs
- RTM-3301S - Stand Alone Scrambler (One ASI input)

options

- DVB/BISS scrambling (license only)
- G.703 output
- ATM output

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