



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)

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

Advanced Re-multiplexing

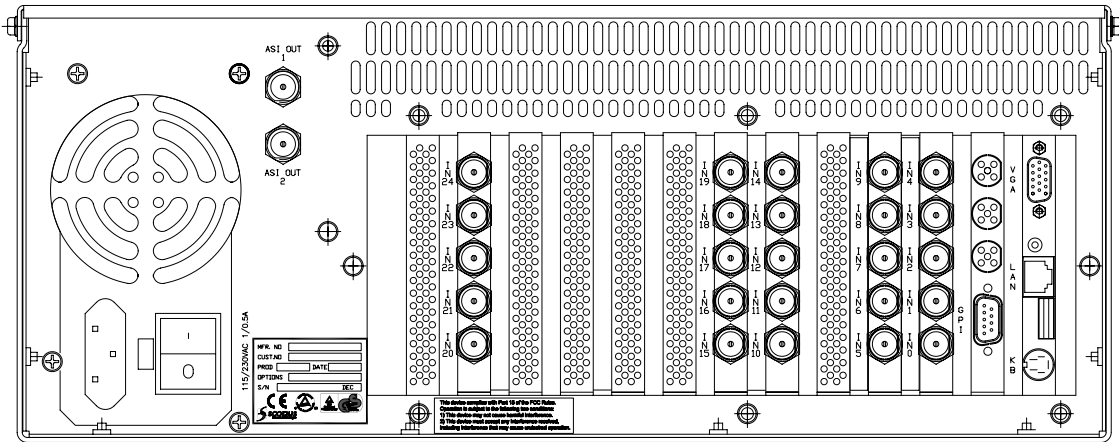
CODICO® SI-3050 PSI/SI
Generator Support

DVB Simulcrypt Interface with
leading Conditional Access
Systems

Telco interfaces

STATISTICAL MULTIPLEXER

RTM-3800



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®, Comverint, 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

Corporate Office
Scopus Network Technologies Ltd.
 10 Ha'amal St., Park Afek
 Rosh Ha'ayin, 48092, Israel
 Tel: +972 3 9007777
 Fax: +972 3 9007888

AMERICAS
Scopus Network Technologies Inc.
 100 Overlook Center Drive
 Princeton, New Jersey 08540
 Tel: +1 609 987 8090
 Fax: +1 609 987 8095

CHINA OFFICE
Scopus Network Technologies, China
 Suite 1912, Tower A, Henderson Center
 No. 18 Jianguomennei Avenue
 Dongcheng District
 Beijing 100005, China
 Tel: +86 10 651 87701/2/3
 Fax: +86 10 651 87704

REPRESENTATION OFFICES
Brazil
 Tel: +55 12 9121 1092
 Fax: +55 12 3923 9208

Germany
 Tel: +49 69 9500 2255
 Fax: +49 69 9500 2266

India
 Tel: +91 22 5593 9291
 Telefax: +91 22 5593 9299

Japan
 Tel: +81 3 5778 7073
 Fax: +81 3 5717 6092

Mexico
 Tel: +52 55 1952 1396
 Fax: +52 55 5868 5329

Russia
 Tel: +7 095 789 3580
 Fax: +7 095 789 3579

UK & Scandinavia
 Tel: +44 208 610 6038
 Fax: +44 208 610 6818

E-mail: info@scopus.net
 www.scopus.net

