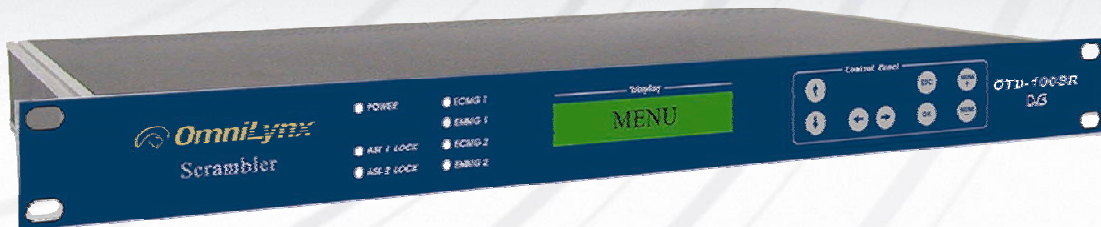


# The *OmniLynx* **OTD-100SR** Scrambler



The OmniLynx OTD-100SR is a state of the art, DVB-compliant stand-alone scrambler that can secure your precious broadcasting contents. It provides scrambling to the Multiple Program Transport Stream (MPTS) or Single Program Transport Stream (SPTS), and in the meantime injects the ECM and EMM data from the Conditional Access System (CAS) into the transport stream.

Furthermore, the OTD-100SR scrambler supports DVB-SimulCrypt standard, allowing for the connections of more than one CAS system, and offering great flexibility to system operators. Of equal importance is that the scrambler can make corrections to the PCR (program clock reference) jitterings or errors caused by the injection of ECM and EMM data. This important feature allows receivers at the subscriber's sites to restore the vivid pictures prior to their scrambling.

## **Applications:**

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- CATV and MMDS digital headend
- Direct Broadcast Satellite Systems

## **Features:**

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- Compliant with DVB standard
- Compliant with DVB-SimulCrypt, supporting more than one CAS
- Support SPTS and MPTS
- Effective input bit rate: 1-50 Mbps
- Selectable package length 204-188
- Support injections of ECM and EMM data through Ethernet
- PCR corrections
- Support Common Scrambling Algorithm (CSA)
- Generate scrambling Control Word (CW)
- Manage the PSI/SI information related to CA
- Support TCP and UDP communication protocols
- 1 rack unit DVB scrambler



# OTD-100SR

## Scrambler



### Technical Specifications

#### Input

- DVB ASI: 2 inputs
- Connector: BNC
- TS bit rates: up to 50 Mbps

#### Processing

- ECM and EMM injection
- PCR correction
- PSI/SI processing

#### Output

- DVB ASI: 4 outputs
- Connector: BNC
- Output rates: up to 50 Mbps

#### Environment

- Operating temperature: -5~45°C
- Operating humidity: 10%~80%
- Storage temperature: -10~50°C
- Storage humidity: 0%~90% (non-condensing)

#### Control and Monitoring

- 8 button keys and character LCD:
- Ethernet (TCP/IP)

#### Physical

##### Dimensions:

- 1RU (19" rack)
  - 4.4 x48.3 x35.0 cm
- Weight: 4 Kg

#### Power

- 100-260 VAC
- Power Consumption: 25W



Montreal - Quebec - Canada  
Tel: +1.450.686.0033  
Fax: +1.450.688.7709  
E-mail: [info@omnilynxtech.com](mailto:info@omnilynxtech.com)  
Web site: [www.omnilynxtech.com](http://www.omnilynxtech.com)

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