



## CODICO® CID-3100 Common Interface Decryptor



The CID-3100 is the ultimate solution for DVB-CI decryption of incoming encrypted digital video

### Applications

The CID-3100 Common Interface Decryptor is designed for digital turnaround and CATV applications. It provides DVB-CI decryption of incoming encrypted digital television content, whether off-air or on-premises.

### Product Highlights

- Receives up to 128 programs and decrypts up to 64 programs
- Four DVB common interface slots support up to 4 CAMs
- ASI transport stream input and ASI loop-through output
- QPSK front-end receiver with loop-through output
- Dual ASI transport stream outputs
- Enhanced DVB transport stream monitoring
- Decrypts up to entire program(s) in received transport stream
- Concurrently supports decryption with up to four different CA systems
- Configuration and control through user friendly GUI, network management system and front panel

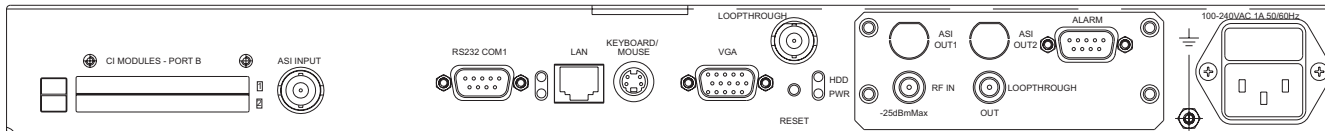
### Business Benefits

Cost-effective solution decrypts multiple programs in a single unit

Built-in monitoring system eliminates need for stand-alone transport-stream analyzer

Graphical user interface provides easy drag-and-drop management

Compact 1RU fits easily in headends with limited space



# CODICO® CID-3100

## Product Specifications

### Transport Stream Input

#### DVB-ASI

- Interface: Copper BNC connector
- TS bit rate: Up to 72 Mbps
- Loop-through output

### Receiver Input Options

#### DVB Satellite - QPSK

- Frequency range: 950 - 2150 MHz
- Symbol rate range: 1 - 45 Msym/s
- TS bit rate: up to 72 Mbps
- LNB control: 14V, 18V, off, 22Khz (350mA)
- L-Band RF input and loop-through output

### Outputs

#### Transport Stream Output

- 3 DVB-ASI outputs
- 1st and 2nd ASI:
  - Copper BNC connector
  - Input stream with selected programs descrambled
- 3rd ASI:
  - Copper BNC connector
  - ASI in loop-through

### Conditional Access

#### DVB-CI\*

- Interface: up to 4 CI slots – EN-50221
- CA method: Multicrypt, Simulcrypt
- De-scrambling algorithm: DVB CSA (Common Scrambling Algorithm)

#### Supports Leading CA Systems

- Irdeto®, Viaccess®, Cryptoworks®, Conax®, VideoGuard®, Mediaguard® (Nagra France), Nagra®, CODICrypt®, Novel®

### Control and Monitoring

#### Local

- Operating system: Windows NT™
- PC Kbd + monitor
- Front panel
- GPI dry contacts for various status and faults
- Software upgrade

#### Remote

- Physical Interface: 10/100 BaseT
- Protocol: TCP/IP; SNMP (Ethernet)
- **Enhanced DVB Monitoring Software**
  - Decryption control and transport stream monitoring Windows™ application
  - Extensive error handling

### Physical Characteristics

#### Size

- 1RU (19" rack)
- Dimensions (H x W x D): 4.4 cm x 48.2 cm x 30.2 cm (1.75" x 19" x 11.9")

#### Weight

- 2.5 kg (5.5 lbs)

#### Power

- Voltage: 100-240 V AC, 50/60Hz; -48VDC (optional)
- Power consumption: 75 Watt max

### Operating Conditions

#### Operation

- Temperature: 0C° - 50C°
- Humidity: 5% - 85% non-condensing

#### Storage & Transportation

- Temperature: 0C° - 70C°
- Humidity: 0% - 95% non-condensing

### Compliance

#### EMC

- EN55022, EN50024; EN61000-3-2, 3; EN61000-4-2, 3, 4, 5, 6, 11
- FCC part 15 Subpart B (Class A)

#### Safety

- IEC950/EN60950

#### Certification

- CE / FCC

\* Decryption performance is based on the CAS vendor CI spec.

CODICO® is a registered trademark of Scopus Video Networks Ltd. In Israel, USA, Germany, UK, France and Japan. All copyrights belong to their respective owners. Specifications and product availability are subject to change without notice. Specifications and feature sets are for technical information only and are not legally binding. For ordering information, refer to Scopus current price list.

#### Americas

Tel: +1 609 9878090  
 Fax: +1 609 9878095  
 www.scopus.net  
 info\_us@scopus.net

#### Argentina

Tel: +54 11 52354565  
 www.scopus.net  
 info@scopus.net

#### Brazil

Tel: +55 12 39239208  
 www.scopusbrasil.com.br  
 scopusbrasil@scopusbrasil.com.br

#### China

Tel: +86 10 65880035/6/7  
 Fax: +86 10 65880039  
 www.scopus.cn  
 info@scopus.cn

#### India

Tel: +91 22 67939291  
 Fax: +91 22 67939299  
 info@scopus.net

#### Israel

Tel: +972 3 9007777  
 Fax: +972 3 9007888  
 www.scopus.net  
 info@scopus.net

#### Japan

Tel: +81 3 57787073  
 Fax: +81 3 57176092  
 info-japan@scopus.net

#### Russia

Tel: +7 495 7893580  
 Fax: +7 495 7893579  
 www.scopus.ru  
 info@scopus.ru

#### Thailand

Tel: +66 107433485  
 info@scopus.net

#### UK

Tel: +44 208 6106038  
 Fax: +44 208 6106818  
 info@scopus.net

#### Professional Services: (Tech Support)

Tel: +972 3 9007800  
 Fax: +972 3 9007866

SVN 0407