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This Specification Sheet is provided courtesy of SURPLUSTRADERS.NET

If you are looking for brand names, model numbers or other products that are not currently represented in this spec sheet, please give me a call or send email to me with your requirements, so we can discuss your needs.

Thank You,

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CODICO® IRD-2600 **Professional MPEG-2,** **DVB Integrated Receiver Decoder**

General

The CODICO® IRD-2600 is a professional receiver decoder rich in variety of video, audio and customizable options, based on MPEG-2 and DVB standards, ensuring an interoperable solution for the professional broadcaster.

Applications

- Digital Turnaround
- CATV Head-end distribution
- Satellite, Telecom distribution
- DVB-CI Decryption for Transport Stream re-multiplexing
- ASI DVB interface for: Transport stream monitoring, re-multiplexing and Decoder cascading

Features and Options

- 4:2:0 MP@ML
- ASI Transport Stream input or output (option)
- Configured and controlled through front panel, terminal and remote control unit
- VBI for Re-Insertion in Composite and SDI
- Dolby Digital® AC-3 Pass-through (option)
- DVB Subtitling
- Redundancy support, GPI
- SDI, AES/EBU output (option)
- Enhanced DVB Monitoring Features
- Embedded Audio in SDI and Re-insertion of VBI
- OSD (On Screen Display) on 2 video outputs or on monitoring output only, providing one uninterrupted broadcast video and one for diagnostics and monitoring

DVB Common Interface (2 Slots)

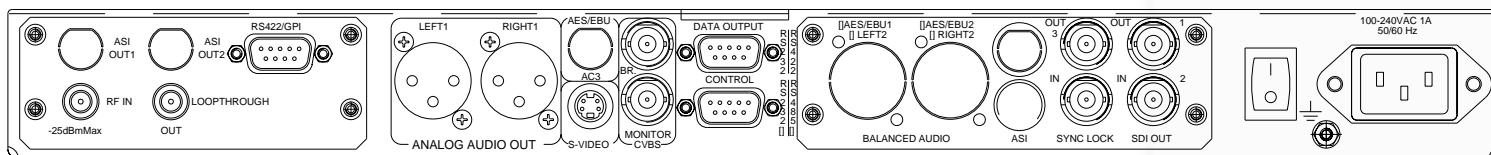
Selected Program Decryption
of leading CA Systems

BISS Mode-1 and BISS-E (DSNG-CA)

Variety of front-end options:
QPSK, 8PSK, 16QAM, QAM, G.703,
STM-1/OC-3, DS3

High and Low Speed Data outputs

Russian SECAM



Decoder Inputs

RS-422 Clock/Data Input

DVB-ASI with Loop-through (optional)

- Interface: Copper or Optical fiber
- TS bit rate: Up to 54 Mbps

Receiver Input Options

DVB Satellite - QPSK

- Frequency range: 950 - 2150 MHz
- Symbol rate range: 1 - 45 Msym/s
- L-Band RF input with LNB Control and Loop-through output

DVB DSN - 8PSK, 16QAM and QPSK

- Frequency Range: 950-2150 MHz
- Symbol rate Range: 1 - 45 Msym/s
- 2 L-Band inputs with LNB Control

DVB Cable - QAM

- QAM demodulation: 16/32/64/128/256
- VHF/UHF input: 50.5 – 858 MHz
- Symbol Rate Range: 1- 7 Msym/s

Telecom G.703

- Unframed PDH Data rates: E1, E2 or E3
- FEC (optional): DVB-C FEC
- Loop-through output

DVB-PDH

- Interface: ATM AAL-1
- Data rates: DS3 or E3
- Loop-through output

DVB-SDH SONET

- TS bit rate: up to 58 Mbps
- Interface: STM-1/OC-3, ATM AAL-1
- Optical interface types: SM or MM, 1300 nm
- Loop-through output

Outputs

Video

- Analog video Interfaces: 2 composite, 1 S-video
- Digital video Interfaces (optional): 2x SDI, with embedded VBI and up to 2 stereo channels
- Video formats: PAL-B/G/I/M/N/D, NTSC, SECAM L/B/G/K1
- Russian Secam D/K (optional): in composite only
- Decoding: 4:2:0MP@ML (1.5 - 15 Mbps)
- Video resolution interpolation: Pan Scan, Letter box or Pass-through
- Aspect ratio: 4:3/16:9 and 14:9
- Graphic processing: OSD, DVB Subtitling, EBU (Teletext) Subtitling
- OSD only on monitoring output (optional)
- Sync Lock Input and Loop-through output (optional)

VBI Re-Insertion

- In Composite video and embedded in SDI
- WST Teletext and inverted Teletext
- WSS, VPS, VITC, SMC, CC, AMOL (optional)
- Enhanced VITS with built-in generator

Audio

- Analog Audio: up to 2 stereo pairs Balanced or 1st Unbalanced (optional)
- Digital Audio (optional): up to 2 AES/EBU-SPDIF
- Embedded in SDI (optional): up to 2 stereo
- Mode: stereo, joint stereo, dual channel, single channel
- Max output level: +24 dBu analog, 0 dBFS digital
- Gain Control: -58 to +6 dB / mute
- AC-3 Pass-through (optional)

Data

- Low Speed Data: RS-232 up to 115.2 Kbaud or RS-422 (optional) up to 2Mbps
- High Speed Data: RS-422 up to 20 Mbps

Transport Stream Outputs (options)

- 1st and 2nd ASI (optional): - Copper
- Input stream with selected program decrypted
- 3rd ASI (optional): - Copper or optical
- Input stream or Loop-through

Conditional Access

DVB-Descrambling

- BISS Mode-1
- BISS-E
- CAS-5000

DVB-CI

- Interface: 2 CI slots - EN-50221
- CA method: Multicrypt, Simulcrypt
- CAS: Irdeto®, Viaccess®, Cryptoworks®, Conax®, Aston®, Nagravision®, On Digital®, CODICrypt®

Control and Monitoring

Local

- Extensive Front Panel Control
- Infrared remote control (optional)
- Up to 140 stored setups (optional for 340)
- Advanced satellite scanning
- Can operate in Service and in PID modes
- GPI dry contacts for various status and faults

Over The Air

- Control and Software download

Remote

- PC via RS-232 or RS-485
- Software download
- SNMP proxy PC software (optional)

Enhanced DVB Monitoring

- Front panel display: signal quality, Eb/N0, BER, ASI format, network and service information, CA information, CI slots, video and audio decoded information
- OSD: PSI tables, receiver and decoder status information

Physical Details

- 1RU (19" rack): 1.75"x19"x12.8" / 4.4 x 48.2 x 32.5 cm
- Operation: 0°C - 50°C ; 5% - 85% non-condensing
- Certification: CE / FCC / UL

- Weight: 2.5 Kg / 5.5 lbs
- Voltage: 100-240 V AC, 50/60Hz -48VDC (optional)
- Power consumption: 50Watt max

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