

The *OmniLynx*
OTD-100HD

Professional IRD



Features:

- Fully DVB-S ETSI/EN300 421 compliant
- LSILOGIC incorporate powerful single chip (SC2000)
- Symbol rate supported from 2 to 45 MS/s
- Use by CAM card, it decrypts the conditional access systems encrypted
- ASI transport stream (TS) input & output interfaces for cascade connecting
- TS output (ASI) with scrambled or non-scrambled stream
- BNC connector for professional composite video output (without OSD) and RCA for line monitoring video output (with OSD)
- XLR connectors for balanced 600 ohms audio output and RCA connector for unbalanced audio output
- Keyboard operation lockable through rear panel switch
- 10-level LED signal strength indicator with 4-segment LED channel number display.
- Automatic recovery for latest system configuration due to unexpected power off
- VBI teletext support
- Supporting finger print display
- Message and mail service
- Linking the equipments to update via RS232 serial port



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Technical Specifications

Tuner

- Input Frequency: 950-2150 MHz
- Input Level: -25 to -65 dBm
- Input impedance: 75 ohm
- Tone Switch: 0/22K for Universal LNB
- LNB Power: 14V/18V/Off, I_{max}:500mA
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Demultiplexer

- Standard: ISO/IEC 13818-1

Video decoding

- Standard: ISO/IEC 13818-2
- MPEG-2 MP@ML
- Aspect ratio: 4:3 ; 16:9
- Video format: PAL/NTSC

Audio decoding

- Standard: ISO/IEC 13818-3
- Decoding: MPEG-1 & MPEG-2 layer I, II
- Output mode: mono, dual channel stereo and joint stereo
- Volume level: 32 levels

Processor and memory

- CPU: TinyRISC (SC2000)
- Processor speed: 108 MHz
- CPU SDRAM: 16 Mbytes
- AV SDRAM: 4 Mbytes
- FLASH memory: 4 Mbytes

Common interface

- Standard: EN 50221
- Support: Irdeto CA, NDS VideoGuard, Viaccess, Nagravision, Canal+ MediaGuard and Cryptowork

Front Panel

- LED display: 4 digit LED to indicate channel number and status
- Signal intensity indicator: 10 levels to reflect signal quality
- Keys: Up, Down, Left, Right, Menu, OK
- Common Interface Slots: 2

Rear Panel

- RF input: F-type
- Loop through output: F-type
- RCA output: 2RCA for unbal. audio output and 1x RCA for line monitoring video output (with OSD)
- RS232 serial port: DB-9 Male
- ASI TS output: BNC connector 188/204
- Composite video output: BNC connector (without OSD)
- Audio balance output: 2 XLR 600

Power

- Input voltage: AC 85-265 V, 50/60 Hz
- Power consumption: 30W max

Ambient

- Operation temperature: -5 to 40°C
- Size: 4.4cm x 48.3cm x 24.5 cm
- Weight: 3.83 Kg



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