

HEAD END | RECEIVERS | MANAGEMENT & CONTROL | CONTENT DISTRIBUTION

SDV-IP AUDIO SATELLITE RECEIVER

THREE AUDIO DECODERS,
MPEG LAYER 2



Features:

- Professional triple DVB audio satellite receiver
- Satellite input or optional ASI input
- Three DVB MPEG audio decoders
- RS-232 data port supporting 4 DVB private data formats
- Excellent as re-broadcasting and/or back-up receiver
- Supervising and alarm facilities for Audio, TS, PSI, PID
- Alarm mode logging facilities
- Controllable over IP (SNMP)
- Excellent price/performance ratio

The PROFline SDV, triple DVB audio receiver demodulates three audio channels from one DVB transport stream and was developed for both re-broadcasting and cable radio applications.

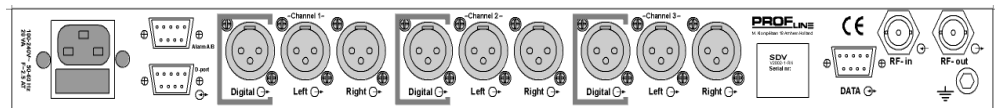
A standard available RS-232 serial output will support the transport of serial data in accordance to 4 different DVB formats and secures future expansion for data transport like RDS, private data, automation etc. For network management purposes the SDV can be remote controlled over IP by SNMP and web browser.

The PROFline SDV DVB audio satellite receiver responds to the demands from the professional broadcast market. It is built around a wide range satellite tuner with incorporated bandwidth filtering to cover the range from 2 to 45 MSym/s signals.

After transport stream decoding all data is available for a maximum of 3 MPEG audio decoders. The decoded audio is available in both analogue- and digital AES/EBU on balanced XLR connectors.

Setting up the receiver can easily be performed at the front panel where receiving frequency, baudrate and selection is done. For proper signaling an extensive alarm menu is built in, from which the user can select different levels and thresholds for alarming conditions, which are brought out to the signaling LED's at the front side and relay contacts on the rear side,

The IP port supporting SNMP extends functionality in cable head end applications where the SDV can be remotely managed.



TECHNICAL SPECIFICATIONS

SATELLITE INPUT

| | |
|----------------------------------|---|
| Complies to: | ETS 300421 (DVB-S) |
| Symbol rate: | 2 – 45 MSym/s |
| RF frequency range: | 950 MHz to 2150 MHz |
| RF input level: | - 65 dBm to -25 dBm |
| RF impedance/input loop through: | 75Ω |
| LNB voltage supply: | 13 Volt selectable on/off Universal LNB, < 250 mA |

AUDIO OUTPUTS

| | |
|--------------------------|---|
| Digital level reference: | -6dBFS (100%) |
| Volume settings: | -20 dBm to +12 dBm |
| Frequency: | 20Hz – 20 KHz <0,5 dB SINAD @ 6 dBm -72 dB THD (IEC) -85 dB |
| Impedance analogue out: | ~ 25 Ω (balanced) |
| Digital output format: | AES/EBU |
| Impedance digital out: | ~110 Ω (balanced) |

DATA OUTPUT

| | |
|--------------|---------------------------------------|
| Port type: | RS232, N-8-1 |
| Data rate: | 9K6, 19K2, 38K4 Baud |
| Data format: | 4 DVB private data formats selectable |

IP PORT

| | |
|---------------------|----------------------------|
| Protocol: | TCP/IP |
| Port type: | Ethernet RJ45, 10/100 Mbps |
| Communication type: | SNMP |

ALARM CONTACTS

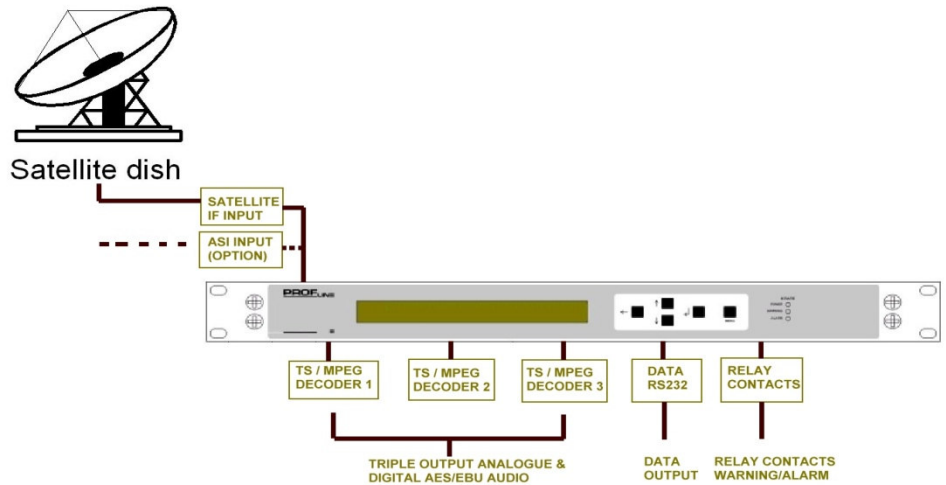
| | |
|-------------------|--------------------------|
| Number of relays: | 3 |
| Contacts: | change over (N.O – N.C.) |

GENERAL

| | |
|---------------------|---------------------------------------|
| Main power: | 100 – 200 VAC, 50/60 Hz, Max. 30 Watt |
| Power connection: | IEC panel-mount/fuse 2.5 AT |
| Safety and EMC: | According to CE regulations |
| Housing dimensions: | 19 inch x 1u x 300 mm (depth) |
| Weight: | 5 kg |

AVAILABLE SDV MODELS

| | |
|----------|--|
| SDV: | DVB-S demodulator, triple MPEG Layer 2 decoder |
| SDV-ASI: | ASI demodulator, triple MPEG Layer 2 decoder |



CORPORATE HEADQUARTERS:

50 Frank Nighbor Place, Kanata, ON, Canada K2V 1B9
Tel: 613-596-4120 Fax: 613-596-4863
Email: sales@datacast.com www.datacast.com

All specifications subject to change. Printed in Canada. 03/08.

International Datacasting Corporation

EMEA Office:

Marga Klompélaan 18, 6836 BH Arnhem, The Netherlands
Tel: +31 (0) 26 323 69 69 Fax: +31 (0) 26 323 39 52
Email: salesemea@datacast.com www.datacast.com

