

# PROFESSIONAL DVB-S/S2 MULTISTREAM RECEIVER



**ALL4DIGIT**  
SYSTEM

**DVB**  
Digital Video  
Broadcasting



## APPLICATIONS

- Professional Satellite / Demodulator DVB-S/S2 Multistream receiver for Contribution / Distribution
- Digital Microwave Radio Link Receiver / Demodulator

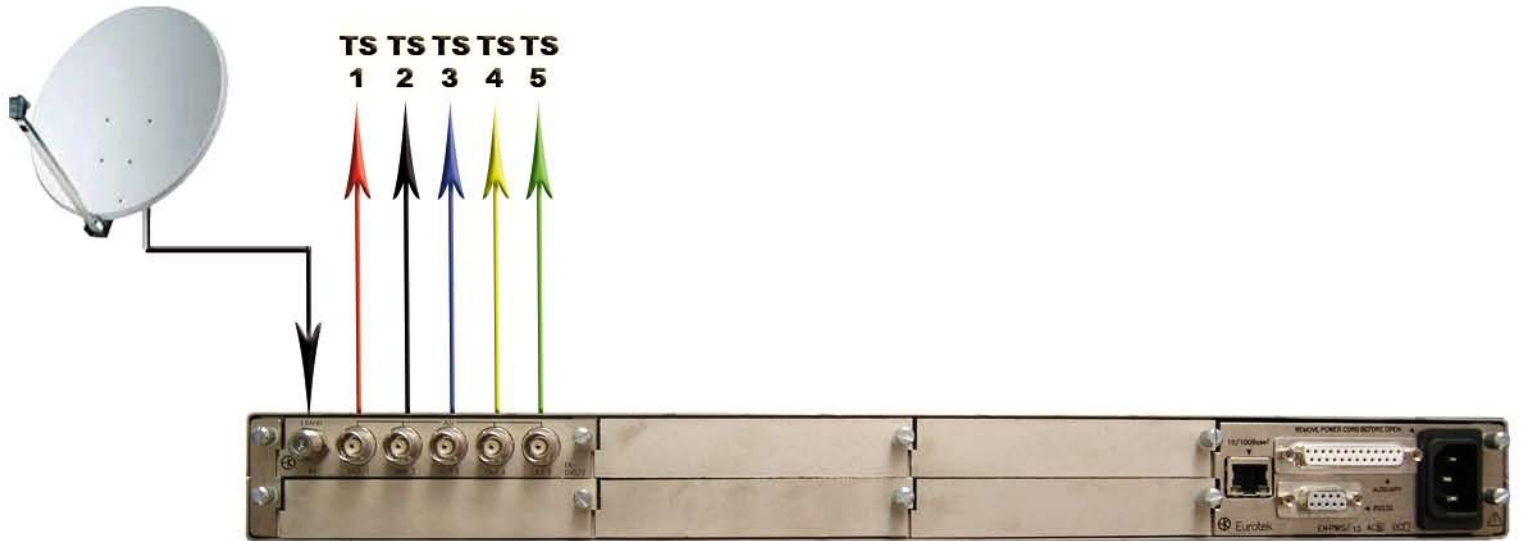
## HIGHLIGHTS

- Compliant to DVB-S/S2 Standards (EN 300 421 / EN 302 307)
- Modulation schemes supported: QPSK - 8PSK
- Up to 5 different TS-ASI Output for each board
- Up to 5 aggregate TS-ASI Output for each board
- PL (Physical Layer) de-scrambler with Golden Code
- Symbol rate up to 45MS/s
- Multi-tap Equalizer
- Wide carrier frequency tracking loop for offset recovery
- Deep TS Buffer with delay management
- Proprietary Jitter limiter
- Wide dynamic IF "L" band input
- Up to 10 Cam Slots for TS decryption (soon available option)
- Full management by SNMP & WEB

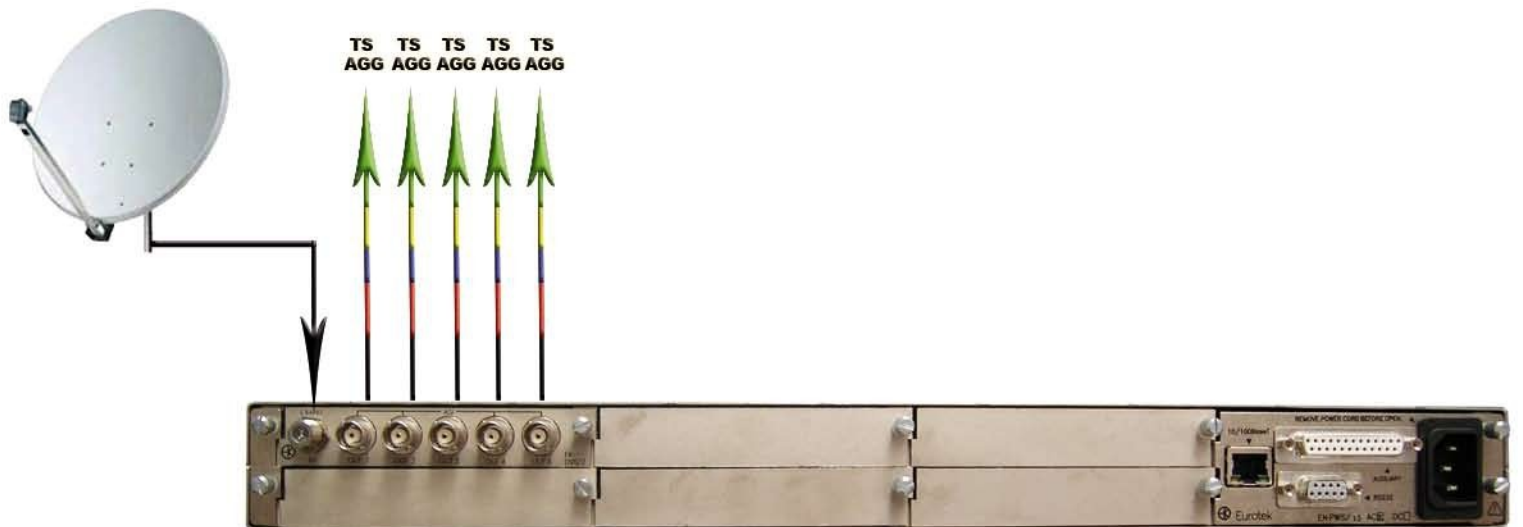
La piattaforma "ALL4DIGIT" grazie alla grande flessibilità e modularità può essere configurata anche come Ricevitore DVB-S/S2 Multistream. Ogni Mainframe può contenere diverse schede DVB-S/S2 accoppiate a schede contenenti moduli CAM per la decodifica dei vari flussi TS-ASI. Caratteristica fondamentale della scheda EK-DVS/2 è la possibilità di ottenere in uscita, oltre ai singoli TS-ASI, anche il flusso aggregato (TS1+TS2+TS3+TS4) utilizzabile come segnale da distribuire sulla dorsale a microonde ottimizzando in questo modo il numero di scambiatori ASI necessari alla ridondanza della rete.

The platform "ALL4DIGIT" thanks to the high flexibility and modularity can be configured also as DVB-S/S2 Multistream Receiver. Each Mainframe can contains different boards DVB-S/S2 coupled to boards containing CAM modules for decoding the various TS-ASI flows. The EK-DVS/2 primary characteristic is the possibility to obtain at the out, in addition to the single TS-ASI, also the aggregate flow (TS1+TS2+TS3+TS4) using as signal to distribute on the backbone optimising in this way the number of ASI switch needed to the redundancy.

# STANDARD CONFIGURATION



# MULTI AGGREGATE CONFIGURATION





# TECHNICAL FEATURES

TECHNICAL SPECIFICATION		Receiver : EK-DVS/2 + EK-MFR/2
INPUT OUTPUT	LNB (L Band)	<b>Input level:</b> -10 ÷ -65 dBm
		<b>Standard ref.:</b> EN 302 307 / EN 300 421
		<b>Frequency range:</b> 950 ÷ 2150 MHz
		<b>Connector:</b> F FEMALE
		<b>Power Supply and control:</b> off, 13/18 Vdc, 22 KHz Tone
	<b>Impedance</b>	75 Ohm
	<b>BB Shaping (roll-off)</b>	On field selectable: 15% 20% 25% 30% 35%
	<b>Symbol rate</b>	From 1 to 45 MS/s
	<b>Multistream Filtering</b>	Supported with ISI value selection
	<b>Maximum out bit rate</b>	Over 125 Mbit/s
GENERAL SPECIFICATIONS	<b>Constellation</b>	DVB-S2 QPSK, 8PSK, legacy DVBS
	<b>Equalizer</b>	Multitap equalizer for multipath effects mitigation
	<b>Power Supply</b>	85 ÷ 264 Vac 50/60 Hz + 36 ÷ 72 Vdc (EK-PWS/12)
	<b>Remote management</b>	Ethernet 10/100 bT (SNMP and WEB)
	<b>Dimension</b>	19 " 1U Rack
	<b>Operating Temp. Range</b>	0 ÷ 45°C
	<b>Power Consumption</b>	16 Watt

# EUROTEK SOFTWARE SUITE

