Eurotek
Broadcast Solutions

PROFESSIONAL DVB-S/S2 MULTISTREAM RECEIVER

Eurotek

EK-MFR/2
cod. 601-000147
s.n. 111030

ALL4DIGIT SYSTEM

DVB
Digital Video Broadcasting

La piattaforma "ALL4DIGIT" grazie alla grande flessibiltà 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

TS TS TS TS TS
1   2   3   4   5
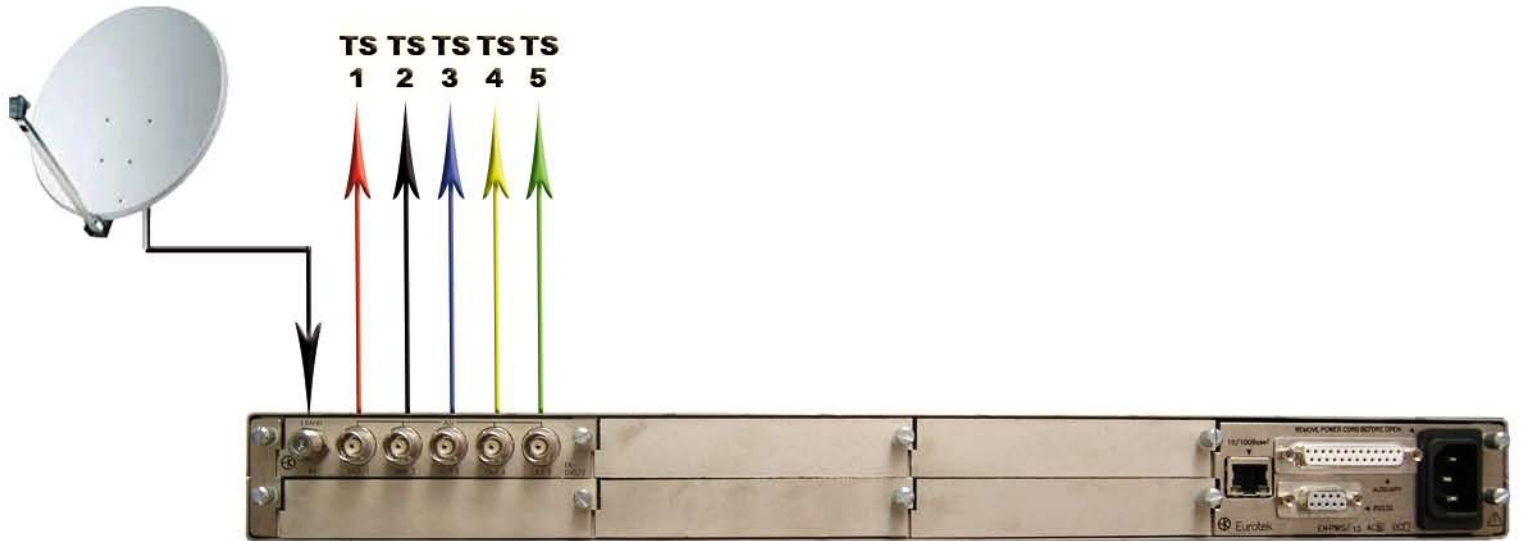
MULTI AGGREGATE CONFIGURATION

TS   TS   TS   TS   TS
AGG AGG AGG AGG AGG
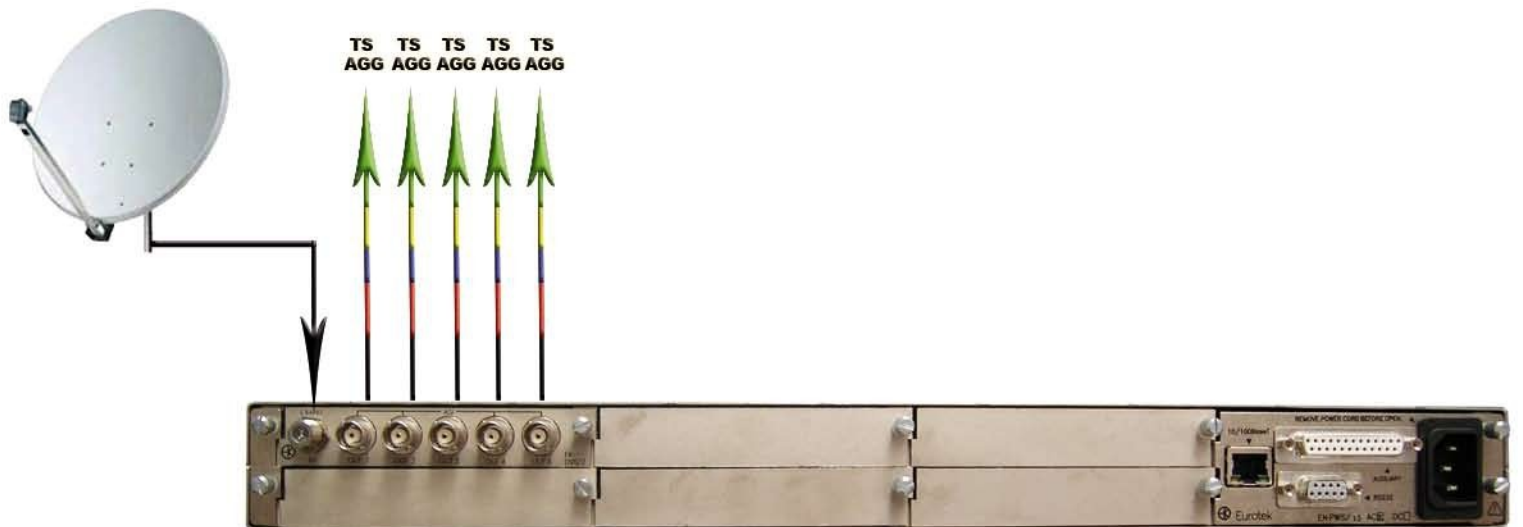
TECHNICAL FEATURES

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

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