TELESTE Dual/Quad Satellite Receiver

LUMINATO SATELLITE RECEIVER

Besides multi-standard receivers the Luminato platform supports a cost efficient receiver dedicated to satellite reception. It enables flexible selection of free-to-air services from DVB-S/S2 sources, which can be adjusted to the operator's service line-up with the built-in advanced transport stream processing capabilities. The selection between DVB-S and DVB-S2 standards can be done from a intuitive user interface without any hardware changes.

- Multiple services per receiver – high efficiency, lower investments
- Embedded security – services can't be accessed in unprotected format
- Hot swap as standard – swap the module and remain the configurations
- LNB power feed, adjustable Voltage and 22 kHz tone
- DVB-S/S2 IF reception
- Advanced transport stream processing
- Demultiplexing from MPTS to SPTS
- PID remapping and filtering
- PSI/SI pass-through or regeneration
- Service follow up, service ID remapping, stream type filtering, SID follow up and service information
- Automatic/manual PSI-SI table generation
- Multicast and unicast streaming
- MPEG transport stream over UDP/IP or RTP/UDP/IP streaming
- SPTS and MPTS streaming (CBR or VBR)
- MPTS passthrough

SATELLITE RECEIVER RF INPUT - DVB-S/S2	
Impedance	75 ohm
Frequency Range	950 … 2150 MHz
AFC Range	8 MHz
Constellation	QPSK, 8PSK
FEC modes (autodetected)	All ratios compliant with ETS302307
Signal levels	-70 … -25 dBm
Symbol rate	1,5…47 MS/s
Max components per service	32
	1,5…31,5 MS/s
	1,5…47 MS/s
Transpot Stream Bitrates per RF input	90 Mb/s
	72 Mb/s
Standard	ETS300421 ETS302307
DVB COMMON INTERFACE DESCRAMBLING	
Connector	PCMCIA
Standard	DVB_CI EN50221
CA module	PC-Card type II
Note: Aston and SMIT CA modules are verified to operate with Luminato	
DVB COMMON SCRAMBLING ALGORITHM CONTENT PROTECTION	
Max service to be scrambled per module	120

IP STREAMING	
Packet format	1…7
Traffic type	unicast or multicast
Max. IP streamer per module	120
Max. streaming capacity per module	250 Mb/s
Traffic shaping	max peak traffic limiter
LNB Power	
Adjustable voltage	13/18 v
22 kHz tone	on/off
Max output current per connector	500 mA
GENERAL	
Supply voltages	24 V
Power consumption	7 W
Connectors, RF	F
Dimensions	20 x 109 x 253 mm
Weight	0,3 kg
Enclosure classification	IP21
Operating temperature	-10…+55 °C
Storage temperature	-30…+70 °C
Specification is met	0…+45 °C

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