DTM-3237

OEM DVB-S2 Receiver with DVB-ASI Output

❑ Converts DVB-S2 to DVB-ASI
❑ Compact OEM module with USB control
❑ Supports 32APSK, MIS, GS, VCM, ACM

FEATURES

- Compact OEM module for receiving DVB-S2 or DVB-S and outputting it as DVB-ASI
- All DVB-S2 modulation types can be demodulated: QPSK, 8PSK, 16/32APSK
- Supports advanced DVB-S2 features including VCM, ACM, Multiple Input Streams (MIS) and Generic Stream (GS)
- Reception and forwarding of transport streams or baseband frames (BBFRAMEs)
- Full LNB support with DiSEqC interface and 13V/14V/18V/19V 500mA supply
- Signal quality indicators include lock status, RF level, modulation type, code rate, MER
- Serial control of the OEM module through USB, I^2C or LVTTL serial control port
- Persistent storage of configuration parameters

APPLICATIONS

- Low-cost receiver module for satellite to cable transcoders
- Satellite data distribution
- Monitoring of satellite signal quality
- In combination with DTM-3200: DVB-S2 (or DVB-S) to TS-over-IP conversion

KEY ATTRIBUTES

Parameter		Value
Antenna input		75-Ω MCX Female
Input return loss		>9dB @ 1 .. 2GHz
Tuning range		950 .. 2150MHz
Input sensitivity		-60 .. -30dBm
Baud rate		2 .. 45MBd
Modulation standard		DVB-S2, DVB-S
Metrology	RF level	-60 .. -30dBm ±5dB
	MER	0 .. 22dB ±2dB
	BER (DVB-S)	Pre Viterbi; Pre RS
	BER (DVB-S2)	Pre/Post LDPC & BCH
LNB supply		13V/14V/18V/19V 500mA
DVB-ASI port	Physical layer	EN50083-9
	Connector	75-Ω MCX Female

ORDERING INFORMATION

Type	Description
DTM-3237	OEM DVB-S2 receiver with DVB-ASI output
DTM-3237-DEVKIT	Developer kit for DTM-3237

Please refer to **www.dektec.com** for the latest pricing and a list of distributors and resellers.

RELATED PRODUCTS

Type	Description
DTM-3200	OEM module for DVB-ASI to/from TS-over-IP conversion
DTA-2107	DVB-S/DVB-S2 modulator with L-band upconverter for PCIe
DTA-2137C	DVB-S/S2 receiver for PCIe
DTE-3137	Standalone DVB-S/S2 receiver with ASI and TS-over-IP output