

DVB-S2 RECEIVERS

DML-RS220



The system RS220 is a professional solution for receiving digital multi-channel DVB-S/S2 signals. It consists of one external unit of frequency conversion and one internal unit for demodulation. These receivers are designed to be used in 7 or 10 GHz radio links (point-to-point or multipoint), in combination with DVB-S2 transmitters TS220.

TECHNICAL SPECIFICATIONS*

*specifications may be changed in accordance with the technical department

DEMODULATOR

Input frequency	70 MHz
Sensitivity	typ. -93 dBm
Output signal	2 x ASI continuous modes, compliant with EN50083-9 (1 Vpp, BNC, 75 Ω)
Demodulation	DVB-S2 / DVB-S compliant with ETSI EN 302 307
Constellation	8PSK, QPSK
Symbol rate	1 ÷ 45 MSymbol/s (in 1 kSymbol steps)

DOWN CONVERTER

RF input frequency	7 or 10 GHz band
IF output frequency	70 MHz
Output impedance	50 Ω
Return loss on output port	> 18 dB
RF structure	PLL synthesized, single or double conversion
Frequency stability L.O.	± 5 ppm standard, ± 2 ppm HS option
L.O. steps	1 MHz standard (others on request)

GENERAL

Local control	Rotary encoder and display on front panel
Remote control	RS232, HTTP
Power supply	110 ÷ 240 Vac
Power consumption	25 W typ.
Operating temperature	-10 ÷ +45 °C
Storage temperature	-20 ÷ +80 °C
Storage relative humidity	10% ÷ 80%
Dimensions	Rack 19" 1U (483 x 45 x 435 mm, Demodulator) Custom box (220 x 96 x 228 mm, Down Converter)
Protection degree	IP50 (Demodulator) IP67 (Down Converter)