

GNSS RECEIVER

This dual redundant **GPS GLONASS GALILEO BEIDOU RECEIVER** offers an optimal solution for synchronization challenges in broadcast signal distribution networks and various other networks requiring precise frequency and timing references.

This receiver uses carrier-aided tracking technology with 12 parallel channels, ensuring high precision even in the absence of GNSS signals. Available in single or redundant versions with seamless automatic switchovers, it supports uninterrupted operation.

Distributors for both frequency and timing reference signals are provided, and the system maintains stability through local source frequency comparison and correction in the absence of reference signals.



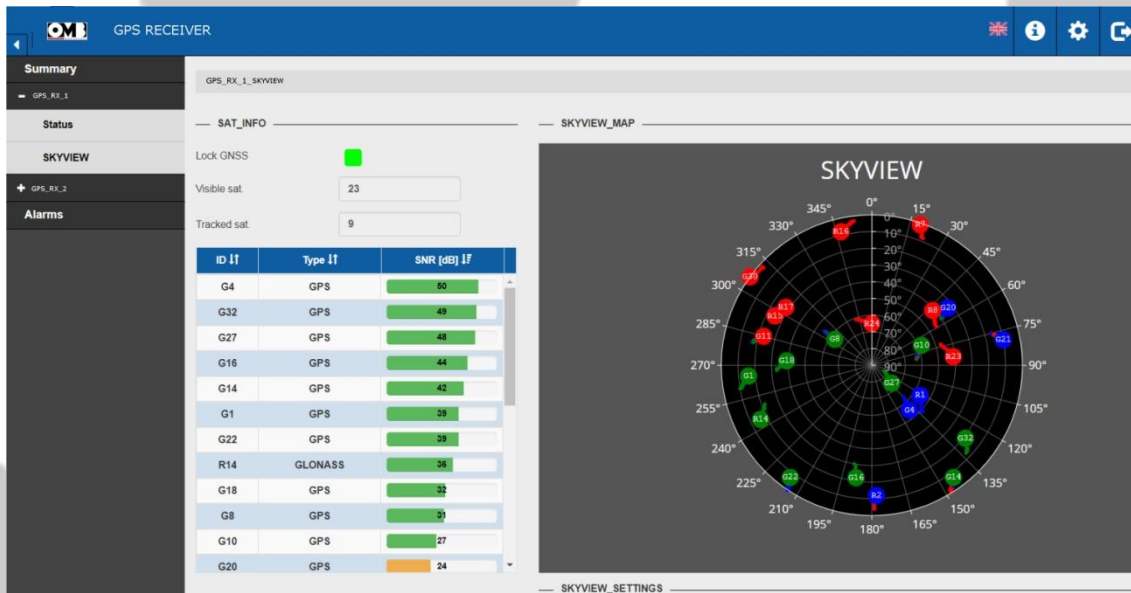
MAIN ADVANTAGES

- Suitable for GPS, GLONASS, GALILEO and BEIDOU.
- 10x 1PPS outputs, seamless redundant.
- 10MHz outputs, seamless redundant.
- Twelve parallel channels.
- C/A code 1,023MHz chip rate.
- Carrier aided tracking.
- Precision in position: 25m (SA absent), 100m (SA spec. UD DoD).
- Suitable for use with active antennas.
- LAN TCP/IP.
- SNMP.
- Aux TLS relay contact available on the rear panel.
- RS485, RS232 communication.

GENERAL CHARACTERISTICS

	FREQUENCY REFERENCE
NUMBER OF OUTPUTS	10 BNC, 50Ω
OUTPUT SIGNAL	5 or 10MHz, sine wave, 1Vpp
SHORT TERM STABILITY	Better than 5x10 ⁻¹² (1 sec)
FREQUENCY ACCURACY	Better than 3x10 ⁻¹² (24 hours continuous power up and GNSS)

HOLD OVER DRIFT	5x10-10/day
PHASE NOISE AT 100Hz	Better than -145dBc/Hz
PHASE NOISE AT 10Hz	Better than -155dBc/Hz
COLD START UP	Less than 10 minutes
TIMING REFERENCE	
NUMBER OF OUTPUTS	10 BNC, 50Ω
OUTPUT SIGNAL	1PPS, 5V TTL, square wave
TIMING ACCURACY	100ns peak (24 hours continuous power up and GNSS)
GENERAL	
GNSS ANTENNA INPUT CONNECTOR	N(F), 50Ω, (optional lightning protection)
SWITCHOVER FUNCTION	Auto (for redundant models only)
OPERATING TEMPERATURE	-10 to +45°C
MAXIMUM RELATIVE HUMIDITY	90%, non condensing
POWER SUPPLY	90-264VAC, 24/48VDC
DIMENSIONS	1 standard rack unit of 19"
WEIGHT	5Kg approximate
OPTIONAL	
Power supply in redundant configuration	
Lightning protection	
Rear input GNSS antenna	
KIT SCS 118 antenna GNSS	



* The images and/or technical specifications are subject to change without previous notice.

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