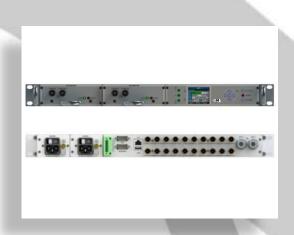


GNSS RECEIVER

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 ACCURACYBetter than 3x10-12 (24 hours continuous

power up and GNSS)



HOLD OVER DRIFT 5x10-10/day

PHASE NOISE AT 100Hz

PHASE NOISE AT 10Hz

Better than -145dBc/Hz

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

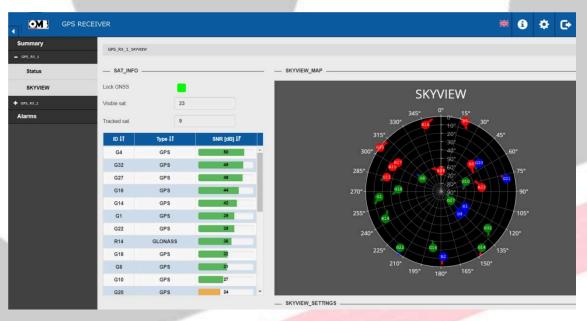
MAXIMUM RELATIVE HUMIDITY90%, non condensingPOWER SUPPLY90-264VAC, 24/48VDCDIMENSIONS1 standard rack unit of 19"

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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world