

Net S9 (336)

Continuously Operating Reference Station





- · Integrated professional OEM board, 336 channels
- · New design of aluminum alloy ho using
- · IP67 industrial level standard
- · STH, RINEX raw data storage to FTP server
- · eMMC technology for internal memory

Summary

SOUTH NET S9 has integrated professional OEM board, compatible with all constellations.

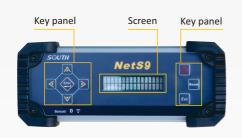
Channels

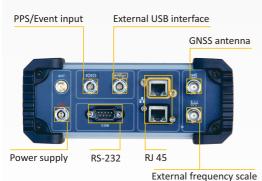
NET S9 is not only able to record STH file, but also support RINEX file storage.

10000mAh high capacity of battery builtin, can act as a primary power source or as an Uninterupted Power Supply (UPS) backup.

SOUTH NET S9 is using eMMC (Embeded Multi Media Card) technology for internal memory, faster and larger, stable and reliable. Moreover, NET S9 allows to connect to an external storage devices(maximum up to 1TB) via USB Host interface so that you don't have to worry about data storage.

User Interface





Distributor Info

| Citatilleis | 330 Chainleis |
|---|---|
| GPS | L1 C/A, L2E, L2C, L5 |
| GLONASS | L1 C/A, L1P, L2 C/A(GLONASS M only), L2P |
| BDS | B1, B2, B3 |
| GALILEO | L1 BOC, E5A, E5B, E5AltBOC1 |
| SBAS | L1, L2C, L5 |
| Initialization | Typically<10 seconds |
| Initialization reliability | >99.9% |
| Accuracy | 733.370 |
| Code differential GNSS | Harizantali 25am I 1 nnm DMC |
| | Horizontal: 25cm+1ppm RMS |
| positioning | Vertical: 50cm+1ppm RMS |
| SBAS positioning accuracy | <5m (typically) 3DRMS RMS |
| high precision static | Horizontal: 2.5mm+0.1ppm RMS |
| | Vertical: 3.5mm+0.4ppm RMS |
| Static GNSS surveying | Horizontal: 2.5mm+0.5ppm RMS |
| Baseline<30km | Vertical: 5mm+0.5ppm RMS |
| Static GNSS surveying | Horizontal: 4mm+0.5ppm RMS |
| Baseline>30km | Vertical: 9mm+0.5ppm RMS |
| Data storage & output | |
| Data storage | 8G (extend to 32G) internal memory is capable of cycle- |
| Data Storage | recording raw data, adopts eMMC technology, stable and reliable |
| Positioning rate | 1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz(depend on setup option) |
| | |
| Reference output | CMR, CMR+, RTCM2.1, RTCM2.2, RTCM2.3, RTCM3.0, |
| | RTCM3.1, RTCM3.2, sCMRx, RTCA, NOVATELX |
| Navigation output | ASCII: NMEA-0183 GSV, AVR, RMC, HDT, VGK, ROT, GGK, GGA, |
| | GSA, ZDA, VTG, GST, PJT, PJK, BPQ, GLL, GRS, GBS and binary |
| Data format | Support STH, RINEX2.x, RINEX3.x raw data storage |
| Data retrieval | Download form HTTP, FTP Push and USB copy |
| Data communication | |
| Ethernet protocol | Support TCP/IP, HTTP and NTRIP protocol |
| Serial port | Navigation data, static data and differential correction data |
| · | transmission, PPS-UTC |
| Electrical | ,, |
| Power supply | $9V{\sim}28V$ DC input, 3 separate interfaces for power supply with |
| | over-voltage protection |
| Battery | 10000mAh high capacity of battery built-in |
| Battery life | More than 15 hours for continuous work in default configuration |
| Consumption | |
| • | Low power consumption 3.8W |
| User interface | |
| Front panel | Front panel display with buttons and LED screen |
| Network interface | Two RJ45 network interface |
| RS-232 serial | One RS-232 serial port(9-pin), data transmission |
| USB | Two USB port, USB host and USB device |
| Power interface | Three separate power interface |
| Multi-function interface | One port supports PPS output, Event marker input, serial port and |
| | power supply |
| External frequency port | One external frequency scale port, supports high-precision atomic |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | clock connection |
| GPS Antenna interface | Choke ring antenna connection |
| Physical | and the antenna connection |
| Dimension(L×W×H) | 216mm×178mm×72mm |
| Weight | |
| Shock and vibration | 2.28kg |
| SHOCK AND VIDIATION | Rugged aluminum alloy housing plus plastic ring seal, designed to |
| 14/-1 | survive a 2m drop onto concrete |
| Waterproof/Dustproof | IP67 level standard, protect against for temporary immersion to |
| | a depth of 1m; Completely protect from dust |
| Environmental | |
| Storage temperature | -40°C∼+80°C |
| Working temperature | -40°C ∼+75°C |
| Lumidity | Polative humidity 100/-1000/condensing |

336 channels



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Relative humidity, 10%-100%condensing