

Key Features

The VNet6 Plus reference station is developed on the basis of Hi-Target 's sophisticated GNSS technology (GPS, GLONASS and BDS), and the years of experiences in establishing CORS/VRS system, to provide you with better performance, stronger stability and safety.

1. Brand new housing and multiple I/O interface enhance the stability and functional expansionary.

2. High speed micro CPU, 64GB internal flash storage and 12500mAh internal battery provide you better user experience.

3. Embedded OS firewall and encrypted communication ensure your data privacy and security.

4. TotalStar™ constellation VRS technology and high precision error correction technology support longer baseline processing and reliable correction data.

5. Designed as a perfect member of distributed system, making the CORS system support large-scale network and massive online users.

VNet6 Plus

GNSS Channels	220
GNSS Band	GPS: L1, L2, L5 GLONASS: L1, L2 BDS: B1, B2, GALILEO: L1 BOC, E5A, E5Alt BOC SBAS: L1C/A, L5
Positioning Performance	Static and Fast static survey: RMS 2.5mm + 0.5ppm(H) 5mm + 0.5ppm(V) Network RTK : RMS 8mm + 0.5ppm(H) 15mm + 0.5ppm (V) Initialization Time: less than 10s Reliability: > 99.9% Raw data updating rate: Up to 20Hz Position updating rate: Up to 20Hz
Data Format	Static data: ZHD, RINEX, BINEX Raw RT27 RTK correction format: CMR, CMR+, RTCM2.X, RTCM3.0, RTCM3.2 NMEA-0183 V2.30
Storage	On board memory: 64GB + up to 1 TB TF card extension
Operation	Web-client management via Ethernet, WiFi
I/O Interface	3 X RS232 serial port 2 X USB port 1 X WiFi Host(802.11b/g/n) 2 X TNC port 1 X 485 port 1 X Ethernet port(RJ-45) 2 X SMA port(1 for PPS and 1 for 3G modem antenna)
User Interface	4 X physical buttons 4 X LED lamps OLED display, 128 X 64 pixels
Physical Features	248mm(L) X 153mm(W) X 68mm(H) Operating temperature: -40°C~75°C Storage temperature: -40°C~75°C Humidity: 100% IP 67 Weight<2.6Kg including 480g internal battery
Power Input	7V – 36V DC / 2A
Power	<7W, less than 5W without using internal 3G/2G wireless modem
Battery	Internal 12500mAh lithium battery Duration: more than 24 hours (> 16 hours with internal 3G/2G wireless modem)
Ethernet Communication	RJ45 Jack, support HTTP, NTRIP, Unlimited streams of correction transmitting and threads of data logging

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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HI-TARGET

Surveying the world, Mapping the future.

VNet Series Reference Station

- GPS, GLONASS, BDS, GALILEO(Reserved)
- Advance performance with internal battery and WiFi communication
- Hi-Target ZNetVRS software with TotalStar™ all constellation technology
- Fully compatible with current Reference System

