

# Javad TRIUMPH-VS Eliminates Interferences



Javad has launched during INTERGEO the TRIUMPH-VS, a complete 5Hz RTK Base OR Rover System featuring a 216-channel GNSS receiver. A new and patented option In-Band Interference Rejection that defends the reception against signals that fall within the GNSS band. The technique suppresses multiple interferences from for example TV and radio stations by up to 60dB, improving the quality of the operation. With this device, JAVAD introduces other exclusive options such as .2mm dynamic correction for GLONASS signals and audio and visual aids and corrections.

The receiver includes GPS L1/L2/L2C/L5; GLONASS L1/L2; 5Hz RTK/DGPS Rover; RTK/DGPS Base and 5Hz Raw Data Recording. Data storage is enabled on 256MB

Internal Data Storage and a 4GB MicroSD Card. Connection interfaces are ensured by two USBs, RAIM, WiFi 802.11b and Bluetooth and UHF or GSM/GPRS/EDGE Communication Channels.

The TRIUMPH-VS is equipped with an Internal Triple Frequency GPS/GLONASS/Galileo Geodetic Antenna and Integrated High Resolution (800x480 pixels) Controller and Software, advanced Multipath Reduction and WAAS/EGNOS corrections. Power is delivered using a removable and rechargeable Li-Ion battery pack (7.2V, 8.8Ah(63.36Wh), allowing an operational time of >10 Hours, an external power supply and charger taking care of the battery load condition. The TRIUMPH-VS comes with a soft carrying case, shoulder strap, a graduated monopod, power and USB cables, tripod adaptors, a stylus and support legs.

There are a variety of options and extensions possible. Galileo E1/E5A on all current and future Galileo Satellites and up to 100 Hz RTK; Up 100 Hz Data Recording and up to 4GB Internal Data Storage. Connection options consist of an external antenna connection; ethernet; timing signals (Event Marker and 1-PPS) and a second communication channel (UHF or GSM/GPRS/EDGE).

For GLONASS operations, there is the option of a .2mm Dynamic Calibration, which removes the GLONASS inter-channel biases. This is an exclusive feature for JAVAD products.

Another exclusive option for JAVAD products is the audio and visual aid and correction. This option provides for two cameras, compass and inclinometers visual aids, and uses information from these sensors to correct for mis-alignments.