

C12 Network RTK GNSS

simple, rugged, reliable



BD990 engine with Maxwell™ 7 Technology, Everest™ Plus
Base or Rover operation

336 channels, fully enabled tracking

GPS: L1 C/A, L2E, L2C, L5
GLONASS: L1 C/A, L2 C/A, L3 CDMA
Galileo: E1, E5A, E5B, E5AltBOC, E6
BeDou: B1, B2, B3
IRNSS: L5
QZSS: L1 C/A, L1 SAIF, L2C, L5, LEX
SBAS: L1 C/A, L5
MSAS L-Band: OnmiSTAR, Trimble RTX



NTripCaster, NTripServer, NTripClient
DIP Servers (TCP/IP or UDP), open or with password
Very high speed raw data streaming via network
Full administration by remote network login
2 Serial Ports, baud rates to 460,800




Corrections (In/Out): CMR, CMR+™, RTCM 2.1, 2.2, 2.3, 2.4, 3.0, 3.1, 3.2 MSM
NMEA-0183 (Out): AVR, BPQ, DP, DTM, GBS, GGA, GGK, GLL, GNS, GRS, GSA, GST,
GSV, HDT, LLQ, PJK, PJT, RMC, ROT, VGK, VHD, VTG, ZDA, EVT, PBN, DG
Binary (Out): GSOF, NMEA 2000



IP68 - water and dust proof cast magnesium case, no fan
-40 to 167 °F , 3 lbs. 5 oz., 8.27" x 6.30" x 2.28"
1-year iGage warranty

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Price (MSRP) ⁵	C12 alone \$3,060 ; CORS Kit: C12 + 2D Antenna + CORS Mount: \$4,972																																																																																										
GNSS Engine	Trimble BD-990: fully enabled tracking: L2C, L5, GLONASS L3, Precise RTK, Everest, 50-Hz																																																																																										
 <p>C12 includes: receiver, power supply, power cable, serial cable, Ethernet cable</p>																																																																																											
GNSS Measurements	336+ Channels, 6 constellations, All-in-View Tracking Standard, 50-Hz Rate GPS: L1 C/A, L2E, L2C, L5 GLONASS: L1 C/A, L2 C/A, L3 CDMA Galileo: E1, E5A, E5B, E5AltBOC, E6 BeiDou: B1, B2, B3 RNSS: L5 QZSS: L1 C/A, L1 SAIF, L2C, L5, LEX SBAS: L1 C/A, L5 MSAS L-Band: OnmiSTAR, Trimble RTX																																																																																										
GNSS Performance	Check the datasheet for the BD990 OEM engine for detailed specifications																																																																																										
Physical	IP68 aluminum alloy, water and dust proof, no fan Size: 210mm*160mm*58mm (8.27" x 6.30" x 2.28") Weight: 1.50 Kg (3 lbs. 5 oz.) Working temperature: -40 to +75°C (-40 to 167 °F) Storage temperature: -55 to +85 °C (-16 to 185 °F)																																																																																										
Electrical	Power rating: 1 A at 12 Volts DC (12 watts maximum) Power consumption: 0.250 A at 12 Volts with typical antenna driven, tracking 30 SV's. (3 watts)																																																																																										
Installation Note	External lightning protection for GNSS antenna connection and Ethernet connection are recommended.																																																																																										
Standard BD990 Options	<table border="1"> <thead> <tr> <th>Option</th> <th>Installed</th> <th>Option</th> <th>Installed</th> <th>Option</th> <th>Installed</th> </tr> </thead> <tbody> <tr> <td>GPS</td> <td>X</td> <td>GLONASS</td> <td>X</td> <td>Galileo</td> <td>X</td> </tr> <tr> <td>BeiDou</td> <td>X</td> <td>QZSS</td> <td>X</td> <td>IRNSS</td> <td>X</td> </tr> <tr> <td>QZSS L1C Tracking</td> <td></td> <td>Dual Frequency Tracking (L2)</td> <td>TRUE</td> <td>L2C</td> <td>X</td> </tr> <tr> <td>Triple Frequency Tracking (L5)</td> <td>TRUE</td> <td>QZSS LEX</td> <td>X</td> <td>BeiDou B3</td> <td>X</td> </tr> <tr> <td>Galileo E6</td> <td>X</td> <td>Everest</td> <td>X</td> <td>Maximum Measurement Rate</td> <td>50Hz</td> </tr> <tr> <td>Moving Base</td> <td>X</td> <td>VRS</td> <td>X</td> <td>Dual Frequency MSS</td> <td>X</td> </tr> <tr> <td>CMR Input</td> <td>X</td> <td>No Static CMR Input</td> <td></td> <td>CMR Output</td> <td>X</td> </tr> <tr> <td>No Static CMR Output</td> <td></td> <td>Force Float</td> <td></td> <td>Force Float Position With Static CMR</td> <td></td> </tr> <tr> <td>SCMRx Input</td> <td>X</td> <td>SCMRx Output</td> <td>X</td> <td>RTCM Input</td> <td>X</td> </tr> <tr> <td>RTCM Output</td> <td>X</td> <td>RTCM DGNS Input</td> <td></td> <td>RTCM DGNS Output</td> <td></td> </tr> <tr> <td>Heading Mode Only</td> <td></td> <td>RTK Baseline Length Limit</td> <td>No Limit</td> <td>NMEA</td> <td>X</td> </tr> <tr> <td>Binary Outputs</td> <td>X</td> <td>Data Logging</td> <td></td> <td>Event Markers</td> <td>X</td> </tr> <tr> <td>Multiplex default</td> <td>Serial</td> <td>Programmatic Interface</td> <td></td> <td>Enable 1PPS</td> <td>X</td> </tr> <tr> <td>RTK Support</td> <td>X</td> <td>Spectrum Analyzer</td> <td>X</td> <td>-</td> <td></td> </tr> </tbody> </table>	Option	Installed	Option	Installed	Option	Installed	GPS	X	GLONASS	X	Galileo	X	BeiDou	X	QZSS	X	IRNSS	X	QZSS L1C Tracking		Dual Frequency Tracking (L2)	TRUE	L2C	X	Triple Frequency Tracking (L5)	TRUE	QZSS LEX	X	BeiDou B3	X	Galileo E6	X	Everest	X	Maximum Measurement Rate	50Hz	Moving Base	X	VRS	X	Dual Frequency MSS	X	CMR Input	X	No Static CMR Input		CMR Output	X	No Static CMR Output		Force Float		Force Float Position With Static CMR		SCMRx Input	X	SCMRx Output	X	RTCM Input	X	RTCM Output	X	RTCM DGNS Input		RTCM DGNS Output		Heading Mode Only		RTK Baseline Length Limit	No Limit	NMEA	X	Binary Outputs	X	Data Logging		Event Markers	X	Multiplex default	Serial	Programmatic Interface		Enable 1PPS	X	RTK Support	X	Spectrum Analyzer	X	-	
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RTK Support	X	Spectrum Analyzer	X	-																																																																																							
Warranty	1-year iGage warranty; accessories 90 days																																																																																										

Also Available:



CORS Mounts \$207



GNSS Chokinging Antenna \$,1,705



Engineered Mounts



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