

C18 Industrial CORS System

Features

The C18 industrial CORS system uses a Trimble BD990 OEM board. It can be used in a variety of applications and is compatible with various platforms that can improve Single Base Station applications and any kind of VRS setup. An advanced type of self-locking connection is employed; the outer casing is made of aluminum alloy with a system that cools the machine. This self-cooling mechanism is coupled with anti-shock technology and more.



GNSS module	Trimble BD990	Trimble BD970	H328
Web Server	GNSS board embedded		
Power indicator	One LED light		
Ntrip Caster	GNSS board embedded		
Ethernet	RJ45 water-proof Ethernet port		
Serial Port	RS232 standard		
GNSS Antenna interface	TNC type at the same side with the other connector		
Shell material	Aluminium alloy		
Dimension	167mm x 128mm x 59mm		
Weight	0.8kg		
USB Port	Optional, one Fischer USB port for download static data		
1PPS&Event(Optional)	Optional, two SMA connectors for the functions		
Moving Base and Heading	None	None	Yes
Battery	None		
Channels	336	220	744
Signal Tracking	GPS: L1 C/A, L2E, L2C, L5 BeiDou: B1, B2, B313 GLONASS: L1 C/A, L2 C/A, L3 CDMA14 Galileo2: E1, E5A, E5B, E5AltBOC, E614 IRNSS: L5 MSSL-Band: OmniSTAR, Trimble RTX	GPS: L1 C/A, L2E, L2C, L5 Glonass: L1 C/A, L1P, L2 C/A, L2P BDS:B1 ,B2 SBAS:L1 C/A QZSS L1 Galileo: L1 BO, E5A, E5B, E5ALT+BOC	GPS: L1 C/A/L1P/L2P/L2C/L25 BeiDou: B1, B2, B3 GLONASS: G1/G2/P1/P2 Galileo2: E1BC/E5a/E5b IRNSS: L5 QZSS: L1 CA
Maximum rate	50Hz		
Autonomous	1m horizontal 1.5m vertical	1.2m horizontal	1.2m horizontal 2.4m vertical
SBAS	0.5m horizontal 0.85m vertical	1m horizontal	0.3m horizontal 0.6m vertical
DGPS	0.25m horizontal 0.5m vertical	0.8m horizontal	0.3m rms 0.008m horizontal
RTK	0.008m horizontal, 0.015m vertical		0.015m vertical
RTK initialization reliability	> 99.9%		
DC Input	12V, 1A		
Operating temperature	- 40 °C ~ + 75 °C		
Storage temperature	- 45 °C ~ + 85 °C		
Operating humidity	5%~ 95% (Noncondensing)		
Protection	IP65, 1.2m drop		
Cerifications	CE ,FCC, IC, CB, KCC, VCCI, PSE, WEEE		
Standard Accessory	Power cable*1, Adaptor*1, Fischer to Serial Cable*1, RJ45 cable*1, TNC to TNC cable *5m		
Optional Accessory	Choke Ring Antenna, Fischer to USB cable, Engineering plastics case		