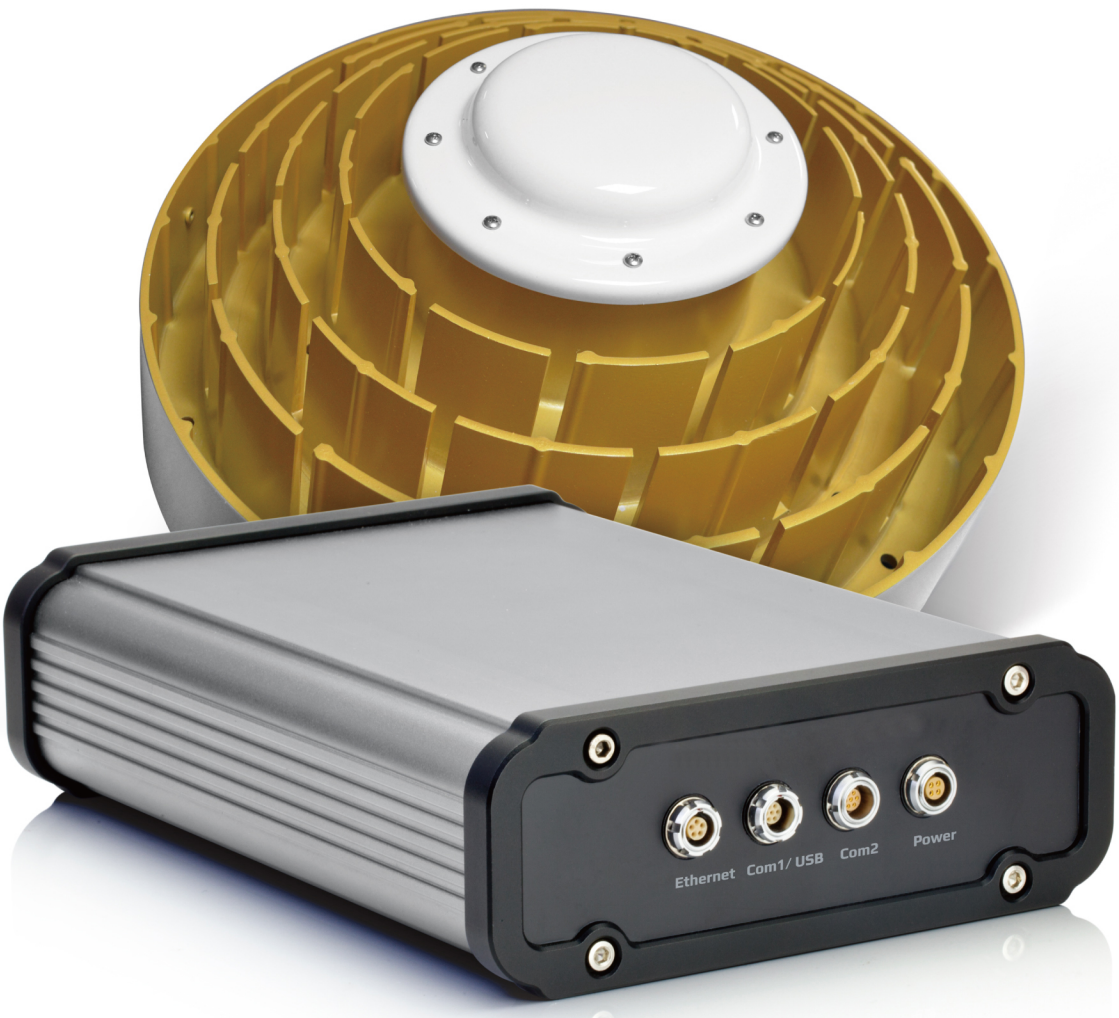

MC12

Continuously Operating Reference Stations

MC12 Continuous Operation Base Reference System uses a Trimble BD970 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.

Specification

MC12 Base Station		
Overview	Web Server	√
	LED	√
	Ethernet port	√
	Serial port	√
	GNSS Antenna	TNC connector
	Shell material	Aluminium alloy
	Dimension	210mm x 160mm x 58mm
	Weight	1500g
GNSS Performance	GNSS	GPS:L1 C/A, L2E, L2C, L5 // GLONASS:L1 C/A, L1 P, L2 C/A, L2P // BDS:B1,B2 SBAS:L1 C/A, L5 // GALILEO: L1 BOC, E5A, E5B, E5AltBOC
	Channel	220
	Single	1.2m
	DGPS	0.8m
	SBAS	Horizontal: ＜1m
	RTK	Horizontal: ±8mm RMS
	Maximum rate	50Hz
	Protocol output	CMR, CMR+, sCMRx, RTCM 2.x, RTCM 3.x
	Initialization	3s
	Reliability	＞ 99.9%
Power	DC Input	12V, 1A
Environment Specification	Operating temperature	- 30 ℃ ～ + 75 ℃
	Storage temperature	- 40 ℃ ～ + 85 ℃
	Operating humidity	5%～ 95% (Noncondensing)
Choke-Ring All-Band GNSS Antenna		
Specification	GNSS	GPS: L1 C/A, L2E, L2C, L5 // Glonass: L1 C/A, L1 P, L2 C/A, L2P // BDS:B1,B2,B3 SBAS:L1 C/A and QZSS L1 // Galileo: E1, E2, E4, E5a, E5b, E6
	Frequency	1166-1300MHz,1525-1610MHz
	Polarization	RHCP
	Axial Ratio	1dB Typ,3dB max
LNA	Gain	40dB
	Noise Figure	< 2dB
	Port VSWR	< 2.0:1
	Voltage	3.0-6.0V DC
	Current Draw	< 65mA
	Spike Voltage withstanding	+/-20 DC
	ESD	8KV
Environment	Operating Temperature	- 40 ℃ ～ + 85 ℃
	Storage Temperature	- 40 ℃ ～ + 85 ℃
	Humidity	100%
	Sand, dust&water	IP67

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