Hemisphere

Hemisphere GNSS designs and manufactures innovative, cost-effective GNSS products for positioning, heading, and navigation applications for marine, survey, construction, mapping, OEM, and other markets. The Company holds numerous patents and other intellectual property and sells globally with several leading product brands, including Athena™, Atlas™, Crescent®, Eclipse™, and Vector™ for precise GNSS applications. Hemisphere GNSS has its business headquarters in Scottsdale, Arizona, USA and is part of UniStrong Science & Technology Co., Ltd. Beijing, China.

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* Board is actual size

GNSS OEM Boards

GNSS Leadership & Freedom Today

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Positioning Boards

Crescent P102 and P103 OEM Boards
- Low cost, high performance single frequency GPS board
- Differential positioning accuracy of 0.25 m rms using SBAS or DGPS corrections
- P102 (34 pin), P103 (20 pin)

Crescent P206 and P207 GNSS OEM Boards
- Extremely affordable single frequency, multi-constellation solution with up to 20 Hz update rate
- Fast start-up and reacquisition times allow you to get right to work
- P206 (34 pin), P207 (20 pin)

Eclipse P306 and P307 OEM Boards
- Long range dual frequency GPS, GLONASS, BeiDou and Galileo capable RTK solutions
- Multiple GNSS measurements provides robust solutions in challenging environments
- P306 (34 pin), P307 (20 pin)

Differential Boards

LX-3 L-Band Board
- LX-3 is a drop-in replacement for the previous generation LX-2
- Smart power management – power is off when not in use
- Easy integration – simply stack LX-3 with a P100-, P200-, or P300-series GNSS board

SBX-4 Beacon Board
- DGPS beacon board tracks free correction signals from worldwide beacon station networks
- Dual-channel design allows strongest signal or closest station tracking
- Dual serial ports accommodate separate RTCM and NMEA communication

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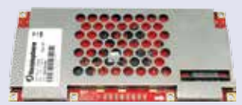
Positioning and Heading Boards

Vector H102 GPS Compass OEM Board
- Affordable solution delivers GPS heading accuracy better than 0.75°
- Differential positioning accuracy of 0.5 m rms using SBAS or DGPS corrections
- All-in-one smart antenna design ensures simple integration
- Integrated gyro and tilt sensors deliver fast startup times and maintain heading solution during temporary loss of GPS

Crescent Vector H200 Board
- Heading accuracy of 0.02° using a 5 m antenna baseline using GPS and GLONASS
- Single frequency GPS / GLONASS RTK capable
- Integrated gyro and tilt sensors maintain heading solution during temporary loss of signal
- Robust heading, position and heave solutions in challenging environments

Vector H301 GNSS Compass Board
- High accuracy heading over short baselines, RTK positioning, 5 cm rms RTK enabled heave and precise timing in small form factor
- <0.02° rms at 5 m antenna baseline
- GPS L1/L2, GLONASS G1/G2, BeiDou B1/B2, Galileo via FW upgrade
- 70 pin



Vector H321 GNSS Compass Board
- Heading accuracy of up to 0.01° using a 10 meter antenna baseline using GPS and GLONASS
- GPS L1/L2, GLONASS G1/G2, BeiDou B1/B2, Galileo via FW upgrade
- Integrated gyro and tilt sensors maintain heading solution during temporary loss of signal
- Robust heading, position and heave solutions in challenging environments
- Built-in L-band signal tracking

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