

FOR IMMEDIATE RELEASE

PNI SENSOR CORPORATION'S SPACEPOINT CR CHOSEN FOR PICO TRACKING KIT

Virtual Reality Company Chose SpacePoint CR for its Unparalleled Accuracy and Low Latency

SANTA ROSA, CA – March 7, 2017 – PNI Sensor Corporation, the world's foremost expert in precision location, motion tracking, and fusion of sensor systems into real-world applications, today announced that its SpacePoint CR 3D motion-tracking system was selected for the Pico Tracking Kit from the virtual reality company Pico Technology.

Designers of handheld controllers used in virtual reality and gaming applications know all too well the frustrations of trying to accurately track movement with consumer-grade inertial sensors. Most standard inertial sensors have bias drift and sensor noise, resulting in inaccurate tracking of controller movements, so objects in the virtual world are not where the controller is pointing. Also, rapid movements can over-saturate sensors, leaving users with skewed visuals and missed targets.

PNI's SpacePoint CR is a 3D motion-tracking system made expressly for game controller manufacturers. This ready-to-integrate system includes PNI's high performance magnetic sensors, 3-axis gyroscope, 3-axis accelerometer, and PNI's sensor fusion algorithms with military-grade accuracy.

Key features of SpacePoint CR include:

- High accuracy and low latency for a smooth gaming experience;
- Gyro drift compensation that ensures that objects in the virtual world remain where you left them;
- Continuous auto-calibration technology combined with patented Kalman filter algorithms, so the output is extremely accurate in all environments;
- The firmware resides on PNI's ultra-low-power SENtral coprocessor, offloading sensor management and complex fusion work from the main processor, significantly increasing battery life and freeing up the main processor for other programming;
- SpacePoint CR handles all the complex motion sensor calculations, so there are no unpleasant surprises or wasted engineering time, resulting in faster time to market for game developers.

"The developers of the Pico Tracking Kit needed a highly accurate motion tracking controller for their VR system," said Becky Oh, President and CEO of PNI Sensor Corporation. "SpacePoint CR enabled them to create an immersive experience for their users while meeting their rapid development schedule."

Pico Technology is a virtual reality company committed to combining precision optics, advanced image algorithms, immersive video and sound with fine industrial design to deliver high performance VR consumer solutions. They recently introduced Pico Neo, a lightweight headset. The Pico Tracking Kit is used with the Pico Neo headset, and enhances the VR experience with full spatial positioning, 6 Degrees of Freedom (6DoF), and less than 5 ms latency.

“When we designed the Pico Tracking Kit, we wanted to create something that could give users the most realistic virtual experience,” said Hanby Han, Vice President of Research and Development at Pico Technology. “PNI’s SpacePoint CR 3D motion-tracking system significantly reduced our time to market and helped us deliver a smooth gaming experience to our users.”

SpacePoint CR Availability

SpacePoint CR is available now for evaluation and incorporation into virtual reality projects. For pricing and quantity orders, contact sales@pnicorp.com.

About PNI Sensor Corporation

With over 30 years of experience, PNI is the world’s foremost expert in precision location, motion tracking, and fusion of sensor systems into real-world applications. PNI’s sensors and algorithms serve as the cornerstone of successful IoT projects and other mission-critical applications where pinpoint location, accuracy, and low power consumption are essential. Building on decades of patented sensor and algorithm development, PNI offers the industry’s highest-performance geomagnetic sensor in its class, location and motion coprocessors, high-performance modules, sensor fusion algorithms, and complete sensor systems. PNI’s technology is used in consumer electronics and wearables, smart parking, IoT, robotics, automotive, military, and other applications, by customers such as Nintendo, Samsung, iRobot, Sony, STMicroelectronics, General Motors, and Ford. To learn more, please visit www.pnicorp.com.

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