

PNT Xe

PNT Test Precision Made Accessible



INTRODUCING PNT Xe

PNT Xe is making high-fidelity simulation available for every workstation, every engineer, and every project phase. PNT Xe is designed for rack mounting, desk mounting, and portability. With fast deployment and a simple but powerful interface, it gives you all the tools to speed up onboarding, simplify system configuration, and accelerate scenario creation. Take advantage of the world's leading simulation architecture at a fraction of the cost.



Capabilities

Signal Generation

Multi-constellation, dual frequency e.g. L1+L5 / L1+L2
Pseudorange Accuracy 5 mm RMS

Signal Quality

Spurious (Max) -182 dBW
Harmonics (Max) -40 dBc
Phase Noise (Max) 0.02 Rad RMS
Frequency stability $\pm 5 \times 10^{-10}$ per day

Deployment

Integration Testing
Hardware-in-the-loop
Production Testing

Production Line Testing

From defense to automotive to handsets and wearable devices, production line testing is a critical stage in a product lifecycle. PNT Xe has been designed for all types of production line, delivering:

- 2U rack compatibility
- Space-saving desk mount
- Easy portability and quick setup
- Intuitive tool for scenario creation
- Seamless remote interface for test execution
- Support for all current GNSS signals

Integration Testing

Efficient and effective integration of GNSS into the test environment is at the core of most PNT-enabled product development. PNT Xe offers key enablers and capabilities:

- Flexible configuration
- High-fidelity GNSS RF signals with exceptional output power stability
- Supports uninterrupted simulation for up to 24 days
- Simple, low latency integration into HIL test setups
- Low onboarding overhead with streamlined configuration and control
- Minimized risk of downtime with robust, proven architecture
- Accessible price for expanded deployment

AUTOMOTIVE | NEW SPACE | UNCREWED VEHICLES | HANDSETS | WEARABLES | DEFENSE



About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks. We help bring clarity to increasingly complex technological and business challenges. Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled. For more information visit: www.spirent.com

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