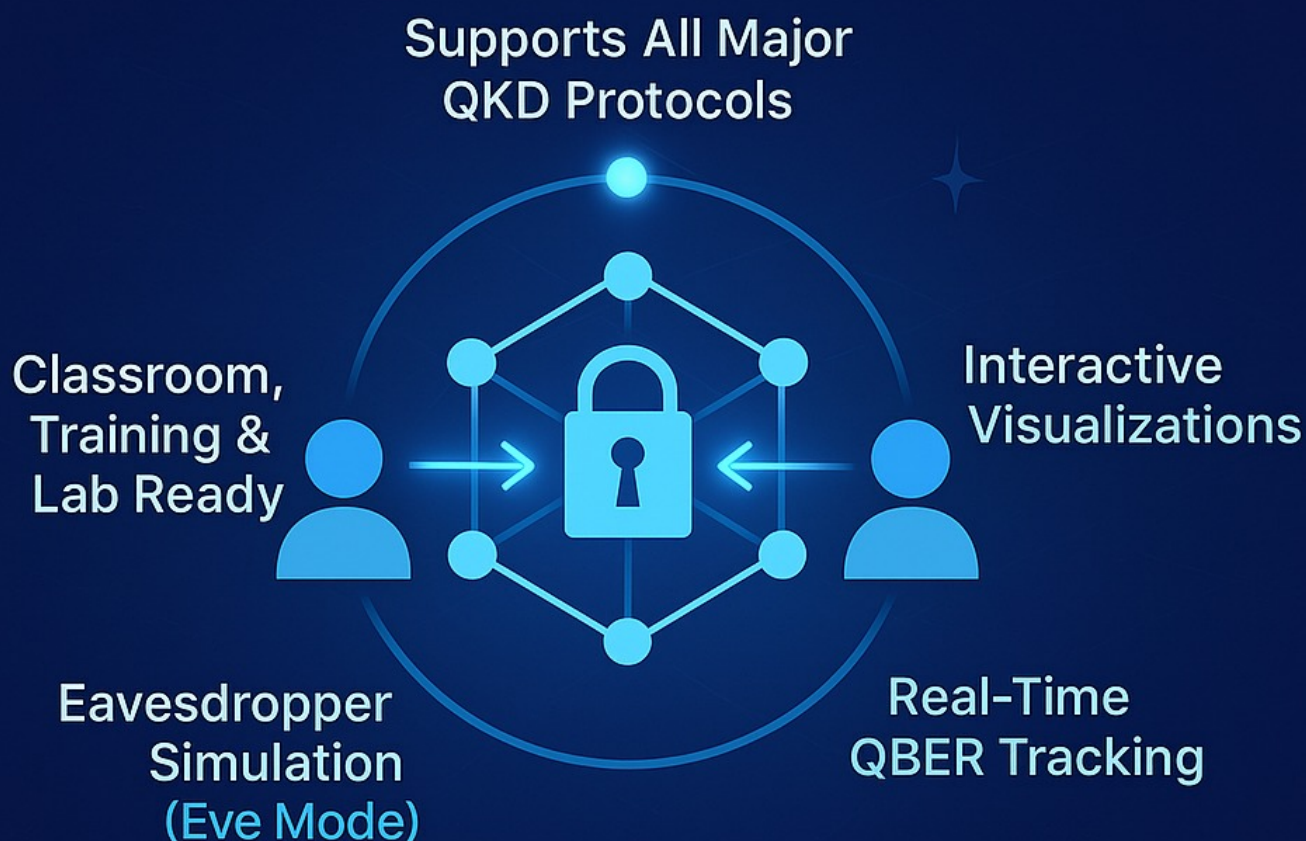


QInsight Labs Launches VisualQKD Pro – India's First Quantum Key Distribution Training Suite

Developed in collaboration with QInsight Labs Pvt Ltd and distributed by Boolean Microsystems, the platform brings hands-on quantum cryptography education to classrooms and research labs.

VisualQKD Pro – The Complete QKD Suite



New Delhi, Delhi Oct 10, 2025 ([Issuewire.com](https://www.issuewire.com)) - Quantum communication has traditionally been a highly theoretical and hardware-dependent domain. VisualQKD Pro, an interactive software suite from **QInsight Labs Pvt. Ltd.**, changes that by making Quantum Key Distribution (QKD) **visual**,

measurable, and interactive.

Designed and tested within IIT Delhi's academic ecosystem, VisualQKD Pro provides real-time simulation of photon polarization, Quantum Bit Error Rate (QBER), and eavesdropping scenarios, enabling learners and researchers to explore quantum security without specialized laboratory setups.

"Our goal was to make quantum cryptography truly experiential," said a spokesperson for **QInsight Labs**. "VisualQKD Pro allows users to visualize how quantum keys are created and secured, and to understand the impact of noise or interception — all in a single integrated environment."

Key Features

- Supports **all major QKD protocols** — BB84, B92, SARG, E91 and more
- **Real-time QBER tracking** with noise and intrusion modeling
- **Interactive visualization** of photon states and measurement bases
- **Eavesdropper simulation (Eve Mode)** for studying security breaches
- **Modular lab framework** for teaching, training, and R&D

The software is now **being integrated into short- and long-term quantum communication courses at IIT Delhi** and is being offered to universities, startups, and R&D groups exploring quantum-secure communication.

"VisualQKD Pro bridges the gap between theoretical study and real-world experimentation," said **Boolean Microsystems**, the official distributor. "It is a powerful tool for both educators and innovators working in the quantum domain."

Availability

VisualQKD Pro is available for **academic and enterprise licensing** through **Boolean Microsystems**.

Institutions and organizations can request demonstrations or pilot access.

Contact for inquiries: saurabh@booleanmicrosystems.com

Website: <https://qinsightlabs.com/>

About QInsight Labs Pvt. Ltd.

QInsight Labs develops advanced simulation and visualization software for quantum communication, artificial intelligence, and deep-tech education. Its flagship tools include VisualQKD Pro, VisualML Lab Pro, and VisualDL Lab.

About Boolean Microsystems

Boolean Microsystems is a technology distributor specializing in quantum and AI educational solutions, providing sales, deployment, and support services across academic and industrial sectors.

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