Article
The all-new STid SPECTRE nano Reader

The all-new STid SPECTRE nano Reader provides vehicle drivers and pedestrians with the most secure and convenient user experience

Frederick Trujillo, STid's Sales & Operations Manager, for North America

New multi-technology reader enables simultaneous vehicle/driver ID to keep employees, visitors, and motorised traffic moving.

STid, creator of the world's most awarded access control readers and solutions, recently announced the release of its STid SPECTRE nano Reader. As the name suggests, the reader is small in size. It is just a bit taller than an average smartphone. Inside its compact but stylish casing it hosts an innovative and smart combination of technologies. We had the pleasure to speak to Frederick Trujillo, STid's Sales & Operations Manager, for North America, about the potential impact of the release of the STid SPECTRE nano on the parking and security industry.

Can your briefly explain the idea behind this new SPECTRE nano reader from STid?

STid identification solutions and readers are used in many types of applications. Until now, in our industry, people often regard Bluetooth® and BLE technology as technology that is used in smartphones for people access control. UHF technology is often used to identify vehicles entering a parking facility or secured perimeter. We decided to combine these two technologies into one reader. The SPECTRE nano is equipped both with a STid Mobile ID-compatible Bluetooth reader and with a powerful UHF reader (UHF EPC1 GEN 2 standard). We believe that this compact and robust multi-technology reader will be the perfect automatic identification solution in many access control applications where vehicles and/or pedestrians need to be securely but conveniently identified.

Can you provide some examples of applications where STid SPECTRE nano would be of value?

The multi-technology reader quickly recognizes employees, visitors, vendors, and their vehicles - simultaneously – for smooth, hands-free access control without compromising security. The outside packaging is as rugged and durable as the technology to ensure the reader can stand up to harsh environments – everything from shock, heavy rain, and dust, to salt, frost, and fire (IK10 & IP65 certified). SPECTRE nano also offers customized branding options to seamlessly fit in at a bus station, corporate office, or private community. The technology is very much suited for use in high-security environments.

How are people and their vehicles exactly identified?

This hands-free reader increases speed of entry for anyone - or anything - on two feet, two wheels, four wheels or a whole fleet. It reads windshield tags, key fobs, cards, smartphones, or wearables using UHF and Bluetooth® to leverage end-user preferences for easier adoption. It is also part of the STid Mobile ID® ecosystem, which turns smartphones into virtual cards for both vehicle and pedestrian access control. Both UHF (read range up to 6m) and Bluetooth (read range up to 20m) support remote identification. Drivers hardly need to slow down. STid SPECTRE nano improves security levels and throughput of traffic in a very user-friendly way.

So you are saying that both the vehicle and the driver could be identified simultaneously?

Yes, exactly. Many security managers still worry about vehicles being a potential trojan horse in their access control application. Vehicles and people both are important carriers of access credentials. Now, you don't need to choose between identifying the driver or the vehicle. The vehicle can now be identified using UHF and the user can be identified using STid Mobile ID. Security Managers can now be certain that criminals will not get access to their secured site using a stolen vehicle. Their access control system can now potentially apply a so-called 'two-man rule': only if both the vehicle AND the driver are authorized, access will be granted.

Can the new reader connect to any access control system?

Yes, we believe that STid SPECTRE nano is compatible with all access control systems worldwide. Remember that many renowned access control systems already use STid readers to identify people and their vehicles. STid designed SPECTRE nano with easy integration in mind, regardless of the installers' technical expertise or experience with STid products. All common industry standards regarding interfacing are supported. A cost-effective solution, the new reader can be installed and (almost) forgotten, with no maintenance or batteries required.

Can you elaborate on the security level of STid SPECTRE nano?

SPECTRE nano uses OSDP™ and SSCP® protocols and has EAL5+-certified storage. Data authenticity and confidentiality are ensured using encryption methods recommended by worldwide organizations, e.g., ANSSI- & FIPs-compliant. Encrypted, signed credentials provide anti-cloning and anti-replay protection and managers can quickly erase security keys, when necessary.

SPECTRE nano will be available by the end of this year to help speed car park access control.

STid

Learn more about STid's innovative access control solutions at www.stid-security.com