

Article
 Product focus STid

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Product focus

STid

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

STid, creator of the world's most highly awarded access control readers and solutions, recently announced the release of its STid SPECTRE nano Reader. As the name suggests, the reader is small; 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 Gordon Mackay, STid's UK & Ireland Sales Director, pictured, about the potential impact of the release of the SPECTRE nano on the parking and security industries.

Can you 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 used in smartphones for people access control. UHF 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 recognises 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 and IP65 certified). SPECTRE nano also offers customised branding options to fit in at a bus station, corporate office, or private community. The technology is very much suited for use in high security.



All-new STid SPECTRE nano Reader provides car drivers and pedestrians with the most secure and convenient user experience

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 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.

So you are saying both the vehicle and the driver could be identified at once?

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 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 can now

potentially apply a so-called 'two man rule': only if both the vehicle *and* the driver are authorised, 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. Remember that many renowned access 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.

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

It uses OSDP and SSCP protocols and has EAL5+-certified storage. Data authenticity and confidentiality are ensured using encryption methods recommended by, eg. ANSSI- and FIPs-compliant. Encrypted, signed credentials provide anti-cloning and anti-replay protection and managers can quickly erase keys, when necessary. ■ SPECTRE nano will be available by the end of this year to help speed car park access control. □

STid - SPECTRE nano Reader