



SPECTRE

UHF MULTI-ANTENNA & LONG-RANGE READER

- Automatic and fast identification up to 14 m* (46 ft) of the vehicle or driver
- Unmatched flexibility with the ability to connect up to four antennas
- Multiple configuration options, including four-lane management and heterogeneous fleet control
- Enhanced User Experience with visual feedback on each antenna

SECURE & SEAMLESS ACCESS

The SPECTRE reader combines exceptional identification performance with enhanced security, making it the perfect solution for any type of infrastructure.

With encrypted and signed UHF credentials, it provides optimal protection against cloning and unauthorized access. With a reading range of up to 14 m* (46 ft), it ensures fast and reliable identification of vehicles or drivers, allowing seamless access management, even in the most demanding environments.

FLEXIBLE & SCALABLE FOR ALL ACCESS CONTROL NEEDS

Up to 4 antennas can be connected to adapt to any access scenario and security requirement:

- Dual-lane configuration for optimized entry and exit management.
- Simultaneous identification of heterogeneous fleets, including light vehicles, trucks, motorcycles, and industrial vehicles without license plates.
- Identification over wide lanes or separate control of up to 4 lanes.

ECO-DESIGN

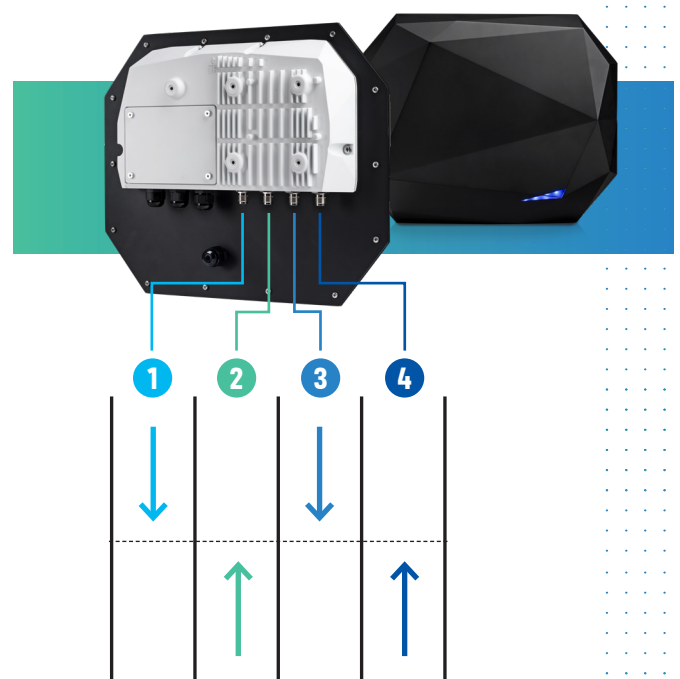
The reader supports the reading of 100% passive credentials (without battery or power source), reducing environmental impact. Its operation can be triggered by a ground loop or a passage detector, helping to reduce energy consumption, making it a sustainable and efficient solution for identification needs.

SIMPLIFIED INTEGRATION

The reader is compatible with all access control systems thanks to the main communication protocols available on the market (Wiegand, OSDP™, SSCP®...). Interoperable, it also meets local regulations (ETSI, FCC, Morocco, Peru, Australia, India...), ensuring global compatibility.

STANDING THE TEST OF TIME

SPECTRE is IK10-certified, offering optimal resistance to shocks and vandalism. IP66-certified, it is perfectly suited for outdoor installations, even in harsh environments: vibrations, dust, extreme weather conditions, or salty atmospheres.




*See legal notices on the back.

SPECIFICATIONS


Operating Frequency / Standards	UHF - 2 versions: <ul style="list-style-type: none"> • 865 - 868 MHz: 866 MHz ETSI (Europe), Morocco (regulation n°ANRT/DG/n°7-10), India... • 902 - 928 MHz: 915 MHz FCC Part 15 (USA), Australia, New Zealand, Philippines, Peru... 			
Credential Compatibility	EPC1 Gen 2 / ISO18000-63			
Functions	Standard or Secure read-only (encrypted/signed tag) of the EPC Protocol-driven operation (read/write)			
Communication Interfaces / Protocols	<ul style="list-style-type: none"> • TTL: ISO2 protocol (Clock&Data) or Wiegand • RS232 with SSCP® v1 & v2 secure communication protocols • RS485 with SSCP® v1 & v2 secure communication protocols; OSDP™ v1 (plain text) and v2 (Secure Channel Protocol) 			
Antenna	1 to 4 antenna(s) with circular polarization Multiple configuration options: <ul style="list-style-type: none"> • SLA version: 1 integrated antenna and up to 3 remote antennas • SMA version: Up to 4 remote antennas 			
Reading Distances*	Up to 14 m (46 ft) with ETA label and TeleTag® passive tag Adjustable reading range on each reader The reading range may vary depending on the type of vehicle, the installation conditions and the local regulations allowed.			
Light Indicator	1 LED 7 colors (green, red, blue, orange, purple, turquoise, white) Configurable by UHF card, USB cable, software or controlled by external command (0V) depending on interface			
Input / Output (I/O)	4 inputs (to manage the reader activation, ground loop, presence sensor...) / 4 outputs (to external traffic lights control...)			
Power Requirement	1 A / 12 VDC typical / 1.5 A / 12 VDC max			
Power Supply	From 9 VDC to 36 VDC (typically 12 VDC)			
Connectors	3x4-pin and 1x8-pin plug-in screw terminal block (3.81 mm / 0.1 in)			
Materials	Black antenna: ABS and polycarbonate (ABS-PC) - White version available as a customization option Reader: aluminum			
Dimensions (h x w x d) / Weight	349 x 279 x 45 / 84 mm (13.7 x 11 x 1.8 / 3.3 in) (general tolerance following ISO NFT 58-000 standard) - 2.65 kg (93.5 oz)			
Operating temperatures	- 25°C to + 60°C / - 13°F to + 140°F			
Protection / Resistance	IP66 certified - Weather, water, and dust resistant / Humidity: 5 - 95% / IK10 certified vandal-proof structure			
Mounting	Compliant with VESA 75 x 75 universal mounting kits (optional) <ul style="list-style-type: none"> • Adjustable wall-mounting kit • Pole-mounted 			
Compliant cables	TNC Reverse coaxial cables (optional) - 1.5, 3, 9 and 12 m / 4.9, 9.8, 29.5 and 39.4 ft to connect antennas - Cables can be connected in series			
Certifications	CE (Europe), FCC (USA), IC (Canada), UKCA (United Kingdom), India (BIS & WPC / ETA), Morocco (ANRT), New Zealand (RCM), Australia (RCM), Peru, Philippines, UL, RoHs			
Part numbers	<table border="0"> <tr> <td> Reader with 1 integrated antenna X: versions = 4 - 865 - 868 MHz ; 5 - 902 - 928 MHz Morocco Versions: add an "M" at the end of the P/N / New Zealand: add "NZ" / Australia: add "AU" / Peru: add "PE" / Philippines: add "PH" </td> <td> Read only - TTL Read only - RS232 Read only - RS485 SSCP® v1 & v2 protocol - RS232 SSCP® v1 & v2 protocol - RS485 OSDP™ v1 & v2 protocol- RS485 </td> <td> SLA-RX1-A/U04-xx/1 SLA-RX2-A/U04-5AB/1 SLA-RX3-A/U04-7AB/1 SLA-WX2-A/U04-5AX/1 SLA-WX3-A/U04-7AX/1 SLA-WX3-A/U04-7OS/1 </td> </tr> </table>	Reader with 1 integrated antenna X: versions = 4 - 865 - 868 MHz ; 5 - 902 - 928 MHz Morocco Versions: add an "M" at the end of the P/N / New Zealand: add "NZ" / Australia: add "AU" / Peru: add "PE" / Philippines: add "PH"	Read only - TTL Read only - RS232 Read only - RS485 SSCP® v1 & v2 protocol - RS232 SSCP® v1 & v2 protocol - RS485 OSDP™ v1 & v2 protocol- RS485	SLA-RX1-A/U04-xx/1 SLA-RX2-A/U04-5AB/1 SLA-RX3-A/U04-7AB/1 SLA-WX2-A/U04-5AX/1 SLA-WX3-A/U04-7AX/1 SLA-WX3-A/U04-7OS/1
Reader with 1 integrated antenna X: versions = 4 - 865 - 868 MHz ; 5 - 902 - 928 MHz Morocco Versions: add an "M" at the end of the P/N / New Zealand: add "NZ" / Australia: add "AU" / Peru: add "PE" / Philippines: add "PH"	Read only - TTL Read only - RS232 Read only - RS485 SSCP® v1 & v2 protocol - RS232 SSCP® v1 & v2 protocol - RS485 OSDP™ v1 & v2 protocol- RS485	SLA-RX1-A/U04-xx/1 SLA-RX2-A/U04-5AB/1 SLA-RX3-A/U04-7AB/1 SLA-WX2-A/U04-5AX/1 SLA-WX3-A/U04-7AX/1 SLA-WX3-A/U04-7OS/1		

© STId 2025, all rights reserved / Flyer_Spectre_SLA_V3.0_US


DISCOVER COMPANION PRODUCTS



UHF Windshield Tags and Labels
UHF or Dual Frequency Cards and Key Fobs



Standard (14 m / 46 ft)
or Compact (6 m / 20 ft) Antenna



ultrixs
Version 2
Programming and Encoding Kit

*Caution: information on communication distances - the distances were measured at the center of the antenna and may vary depending on the vehicle's positioning, antenna configuration, installation environment, power supply voltage, and applicable local regulations. External interference may reduce reading distances. Reading performance depends on the tag's positioning and the type of windshield. Athermic windshields may affect reading performance. It is imperative to place the tag in the designated non-coated areas.
 Legal Notices: STId and SSCP® are registered trademarks of STId SAS. All trademarks mentioned in this document are the property of their respective owners. All rights reserved. This document is the exclusive property of STId. STId reserves the right to modify this document and/or discontinue the marketing of its products and services at any time and without prior notice. Non-contractual photographs.

Headquarters / EMEA

13850 Gréasque, France
Tel.: +33 (0)4 42 12 60 60

PARIS-IDF Office

92290 Châtenay-Malabry, France
Tel.: +33 (0)1 43 50 11 43

STId UK Ltd.

Gallows Hill, Warwick CV34 6UW, UK
Tel.: +44 (0) 192 621 7884

NORTH AMERICA Office

6000 W Campus Circle Dr. Suite 150
Irving TX 75063-2670
Tel.: +1 877 894 9135

LATIN AMERICA Office

Cuauhtémoc, 06600 CDMX, México
Tel.: +52 (55) 5256 4706

MIDDLE EAST Office

Dubai Digital Park, DSO, UAE

STId South Africa

686 Joseph Lister Street, Constantia Kloof,
Roodepoort, 1724 Gauteng, South Africa
Tel.: +27(0) 79 891 1912

WWW.STID-SECURITY.COM

SMARTER SECURITY ANSWERS