# STid
## Electronic Identification

# SPECTRE

## VEHICLE IDENTIFICATION - AVI
## SCALABLE LONG RANGE READER

### COMPATIBILITY

- EPC Class 1 Gen 2 / ISO18000-63
- 865 - 868 MHz
- 902 - 928 MHz
- Ultrys v.2 software
- UHF antenna
- VESA 75 x 75 universal mounting kits

SSCP

OSDP

| UHF | Read only | Read | Write | IP66 |
| --- | --- | --- | --- |

| TTL | RS232 | RS485 | IK10 |
| --- | --- | --- | --- |

### LET YOUR IMAGINATION FLOW

Customization of the multicolor LED (RGB, 7 colors)

YOUR LOGO — PRINTING OF YOUR LOGO using digital UV

### CERTIFICATIONS

CE  FC

8 Awards

LES TROPHÉES EXPOPROTECTION 2018 — MENTION SPÉCIALE

## ACCEPT THE CHALLENGE OF FAST-TRACK SECURITY AT YOUR VEHICLE GATES

**No more queues thanks to the SPECTRE UHF identification reader! It combines dynamic, elegant design with the latest technologies for security and scalability.**

### SMOOTH AND SECURE VEHICLE ACCESS CONTROL

The SPECTRE reader rewrites the rules of security, making it more instinctive. It offers top level security by enabling you to sign your UHF credentials, while using encryption methods that are recognized and recommended by independent specialized bodies in information security (ANSSI). The identification performance - up to 13 m / 42.7 ft* - offers exceptional reading convenience and reliability for smooth vehicle access.

### SIMPLIFIED SCALABLE INSTALLATION

Up to 4 antennas can be connected to the SPECTRE reader to cover all security issues and all configurations: management of a mixed fleet of vehicles (light, heavy, motorcycles, etc.), identification on wide lanes or even distinct access control for 4 lanes of vehicles.

Your reader is configured in few seconds via USB/micro USB cable or UHF card. Its QuickSet mounting system is compatible with the VESA 75 x 75 standard and enables optimal installation, regardless of site configuration.

### GREEN CONCEPTION

Its green design means that SPECTRE reads fully passive credentials (no batteries). The reader can be operated by a ground loop or a presence sensor.

### STANDING THE TEST OF THE TIME

The SPECTRE is the most robust on the market, with an enhanced vandal-proof structure IK10 certified to withstand knocks and malicious acts. It is IP66 and designed for outdoor installation in harsh environments: vibration, dust, heavy rain, sea air, etc.

### BETTER BY DESIGN

The strong lines and elegant style give the SPECTRE reader an extremely stealthy character to enhance your car park solutions. Its slimline design and lightness blend perfectly into all your installation environments.

The high-intensity LED, visible by day and night, makes it highly user-friendly.

◄ SPECTRE VIDEO

www.stid-security.com

## SPECIFICATIONS

| | |
|---|---|
| Operating frequency/standards | UHF - 2 versions:<br>- 865 - 868 MHz: 866 MHz ETSI (Europe), Morocco (n°ANRT/DG/n°7-10 regulation), etc.<br>- 902 - 928 MHz: 915 MHz FCC Part 15 (USA), Australia, New Zealand, etc. |
| Chip compatibility | EPC1 Gen 2 / ISO18000-63 |
| Functions | Read only or Read Write - EPC or signed EPC |
| Antenna(s) | 1 to 4 antenna(s)<br>Several possible configurations:<br>- 1 integrated antenna + up to 3 external antennas<br>- up to 4 external antennas |
| Reading distances* | Up to 13 m / 42.7 ft with the ETA label and the TeleTag® windscreen tag depending on vehicle type and installation conditions |
| Anticollision system | Yes |
| Communication interfaces | - TTL: protocol ISO2 (Data Clock) or Wiegand<br>- RS232 with secure communication protocol SSCP<br>- RS485 with secure communication protocols SSCP; OSDP™ V1 (plain communication) & V2 (SCP secure communication) |
| Inputs / Outputs (I/O) | 4 inputs to manage the reader activation (ground loop or presence sensor) / 4 outputs to external traffic lights control |
| Light indicator | LED 7 colors (green, red, blue, orange, purple, turquoise, white) |
| Power requirement | Typ. 1 A / 12 VDC |
| Power supply | 9 VDC to 36 VDC (12 VDC typical) |
| Material | Antenna: ABS and polycarbonate (ABS-PC) / Reader: aluminum |
| Dimensions (h x w x d) / Weight | 348.7 x 279.2 x 45.1/83.6 mm / 13.7" x 11" x 1.8"/3.3" (general tolerance following ISO NFT 58-000 standard) - 2.65 kg / 93.5 oz |
| Operating temperatures | - 25°C to + 65°C / - 13°F to + 149°F - Indoor / outdoor - Humidity: 5 - 95 % |
| Resistance | IP66 - Weather-resistant with waterproof electronics / Reinforced vandal-proof structure IK10 |
| Mounting | - Adjustable wall-mounting kit<br>- Pole-mounted<br>Compliant with VESA 75 x 75 universal mounting kits (optional) |
| 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 & FCC |
| Part numbers<br>x: versions = 4 - 865 - 868 MHz; 5 - 902 - 928 MHz | Reader version with integrated antenna:<br>  Read only TTL ................................................................SLA-Rx1-A/U04-xx/1<br>  Read only RS232 ...........................................................SLA-Rx2-A/U04-5AB/1<br>  Read only RS485 ...........................................................SLA-Rx3-A/U04-7AB/1<br>  Read write SSCP RS232 ..............................................SLA-Wx2-A/U04-5AA/1<br>  Read write SSCP RS485 ..............................................SLA-Wx3-A/U04-7AA/1<br>  Read write OSDP™ RS485 ...........................................SLA-Wx3-A/U04-7OS/1<br><br>Antenna version:<br>  865 - 868 MHz ..............................................................ANT-UHF2-A<br>  902 - 928 MHz ..............................................................ANT-UHF2-B |

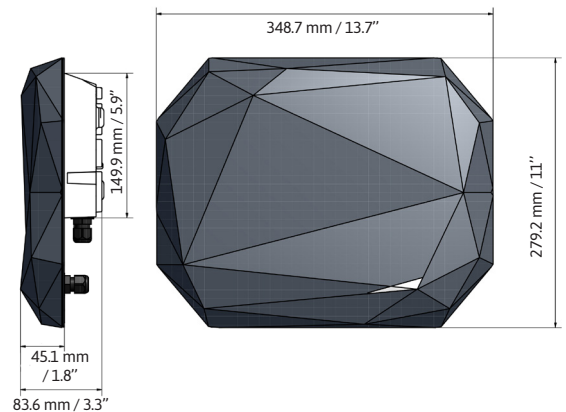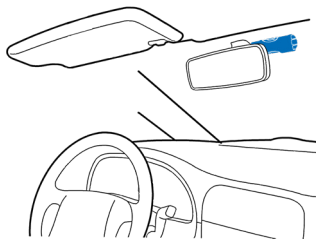## DISCOVER OUR COMPATIBLE TAG RANGE



**TeleTag®**
Windscreen tag



**ETA**
Windscreen label

**For more security and user comfort,** a wide range of services and options is available: windscreen mounting kit for TeleTag®, serigraphy, sequential or physical printing, self-destructible label...

TeleTag® has been designed to be installed especially behind the windscreen. Thanks to its smart mounting system, it can be installed either permanently or in a removable way.



348.7 mm / 13.7"
149.9 mm / 5.9"
279.2 mm / 11"
45.1 mm / 1.8"
83.6 mm / 3.3"

*Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of tag, size of the tag, operating environment of the reader, power supply voltage. RFID tag performance is influenced by its position on the windscreen, and depends on the windscreen type. The heat-reflective (or climate comfort) windscreens have a metallic film that blocks radio waves. Performances can be impaired. Use the non-treated area of the windscreen.

Flyer_Spectre_SLA_V1.00_US