STid

QxControl™ & STiD SPECTRE

VEHICLE IDENTIFICATION - AVI
SCALABLE LONG RANGE READER

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.

HIGHLIGHTS

- Smooth & secure parking access control
- Multi-lane long-distance identification
- Optimised installation costs
- Backward compatible & interoperable

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 14 m / 45.9 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.

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.

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.

SPECIFICATIONS

Operating frequency / Standards	UHF - 2 versions: -865 - 868 MHz: 866 MHz ETSI (Europe), Morocco (regulation n°ANRT/DG/n°7-10), etc. -902 - 928 MHz: 915 MHz FCC Part 15 (USA), Australia, New Zealand, etc Bluetooth®
Chip Compatibilities	EPC1 Gen 2 / ISO18000-63
Functions	Read only signed EPC / Read Write
Antenna	1 to 4 antenna(s) Several possible configurations: -1 integrated antenna + up to 3 external antennas -up to 4 external antennas
Reading distances*	Up to 14 m / 45.9 ft with ETA tag and TeleTag® passive tag The reading distance may vary depending on the type of vehicle, installation conditions and local regulations allowed. A national regulatory restriction that only allows 500mW ERP (e.g. Morocco - regulation n°ANRT/DG/n°7-10) gives performances up to 3m.
Communication interfaces	-TTL: protocol ISO2 (Data Clock) or Wiegand -RS232 with communication protocol SSCP® -RS485 with communication protocols SSCP®; OSDP™ V1 (plain communication) & V2 (SCP secure communication)
Light indicator	LED 7 colors (green, red, blue, orange, purple, turquoise, white) - OSDP™ 4 colors (green, red, blue, orange)
Input / Output (I/O)	4 inputs (to manage the reader activation, ground loop, presence sensor...) / 4 outputs (to external traffic lights control...)
Power requirement	Typ. 1 A / 12 VDC
Power supply	9 VDC to 36 VDC (12 VDC typical)
Materials	Antenna: ABS and polycarbonate (ABS-PC) / Reader: aluminum
Dimensions (h x w x d)	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 + 60°C / - 13°F to + 140°F - Indoor / outdoor - Humidity: 5 - 95 %
Protection / Resistance	IP66 - Weather-resistant with waterproof electronics / Reinforced vandal-proof structure IK10
Mounting	-Adjustable wall-mounting kit -Pole-mounted 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 (Europe), FCC (USA), IC (Canada) and UL

Part Numbers:

READ ONLY

READER VERSION WITH INTEGRATED ANTENNA:

TTL WIEGAND / CLOCK&DATA:	**SLA-RX1-A/U04-XX/1**
RS232:	**SLA-RX2-A/U04-5AB/1**
RS485:	**SLA-RX3-A/U04-7AB/1**

CONTROLLED BY PROTOCOL

READER VERSION WITH INTEGRATED ANTENNA:

SSCP® v1 & v2 - RS232:	**SLA-Wx2-A/U04-5AX/1**
SSCP® v1 & v2 - RS485:	**SLA-Wx3-A/U04-7AX/1**
OSDP™ v1 & v2 - RS485:	**SLA-Wx3-A/U04-7OS/1**

ANTENNA VERSION:

LOW BAND 865 - 868 MHZ (ETSI):	**ANT-SPECTRE-A**
HIGH BAND 902 - 928 MHZ (FCC):	**ANT-SPECTRE-B**