



Smart ANPR/LPR

Automatic License Plate Recognition System

Index

Introduction	3
Vision:	3
Mission:	3
Prelude:	3
Features	6
Camera Specification: (SPK-LPR1-SP)	6
Applications.....	6
Advantages	7
Car Plate Recognition Technology.....	8
Flowchart of the system for Entrance Gate / Exit Gate	9
LPR Software.....	10
LPR Reports	11
Controller ANPR	12
Installation Coordinates	13
Approvals	15
Our Clients.....	16
Contact us	17

Introduction

Smart Life is a company solidifying its position as a market leader for automation systems for homes, industries and traffic control, we have a high professional team with over +15-years' experience in Egypt and UAE market.

We are agent to MOTORLINE and PORTAS Portugal's manufactures of automation gates. We have a lot of tools to help simplify life in a smarter way, introducing various automation solutions including mechatronics & programming solutions. We have implemented +750 automation projects in Middle-East market and +150 projects in smart parking field.

Vision:

Proudly in House Development

We encourage and approve local products, designed and implemented by our Engineers and assembled in our factory with high accuracy, quality controls, and assurance testing in the field of automation systems for homes, industries and traffic control aside with MOTORLINE® products which we represent in Middle-East.

Mission:

Full Smart Buildings Automation

Produces and commercializes automation systems for homes, industries and traffic control. To automatize customer's life with practical gestures, making it more comfortable and simpler, which is everybody's dream, today the dream is coming true, thanks to a various range of products thought by Smart Life, with efficiency and reliability to everyday life.

Prelude:

Over the years, Smart Life company has constantly innovated to develop state-of-the-art systems that make parking efficient for users as well as profitable and easy to manage for operators. In the meantime, our Parking Technology has remained keenly focused on enhancing its technology differentiation and delivering integrated, value-added solutions, ensuring after-sales services.

Our solutions are designed for long term capabilities, network efficiency and durable performance, where the control board is linked to the management system by a TCP/ IP network, to allow easy reporting and control from Smart PMS (parking management system) and Smart PGS (Parking Guidance system).

System components are designed for simple and rapid maintenance with a modular layout that gives great flexibility for future needs. System features are simplicity combined with reliability, flexibility, easy installation & maintenance, cost effective, & providence of unbonded after-sales services.



SMART LIFE QUALITY POLICY

From **SMART LIFE** responsibilities towards Producing and commercializing efficient and reliable automation systems for homes, industries and traffic control, top management and all company employees are seeking to abide by the following:

- To achieve customer satisfaction.
- Compliance with relevant laws, regulations and legislation, the requirements of national & International Standards.
- Continuously improving the effectiveness of the quality management system of the company through the review of quality objectives and results.
- Continual improvement, development of skills, competencies and awareness of our employees through planning of effective training programs.

Quality Objectives:

- Customer's satisfaction.
- Improvement of our products & services to achieve current and future requirements, desires & expectations of customers.
- Maintaining the marketing status of the company and promoting it locally and globally.
- Provision of services at the most competitive cost.

Company reviews quality policy and objectives on a regular basis.

This policy shall be posted at all work locations, and all those engaged in work for **Smart Life** or present at those locations shall be aware of its contents and shall commit themselves to its fullest implementation.

Date: 1/11/2022




Mohamed Alaa
Managing Director



HEALTH, SAFETY & ENVIRONMENT (HSE) POLICY

SMART LIFE management is committed to provide a safe and healthy work environment for all projects and work sites, and making every effort towards eliminating or minimizing any environmentally adverse effects.

Thus, **SMART LIFE** will, in all of its operations and at all locations where work is being carried out under its control, promote the highest standards in Health, Safety and Environmental preservation and protection by establishing implementation and maintaining the HSE management system, standards to HSE performance, HSE education program and motivational Incentives, continuous assessment and accountability for achievements of those targets and standards

The long-term business success of **SMART LIFE** depends on our ability to continually improve the quality of our products and services while protecting our people and the environment through our commitment and leadership to HSE.

We are committed to:

- Provide locations with highest standards of Safety, health and environment.
- Comply with all applicable country HSE laws, regulations and procedures.
- Eliminate HSE incidents.
- Minimize our impact on the Environment through pollution prevention, the efficient use of natural resources and the reduction of waste.
- Educate our employees, customers, contractors, and business partners on the safe and environmentally responsible use of our services and products, and how their actions can influence HSE performance.
- Review, monitor and measure HSE performance for continual improvement.

We are committed to the proactive HSE objectives into our management system at all levels, as all **SMART LIFE** employees believe in that.

The good HSE management system is a good business

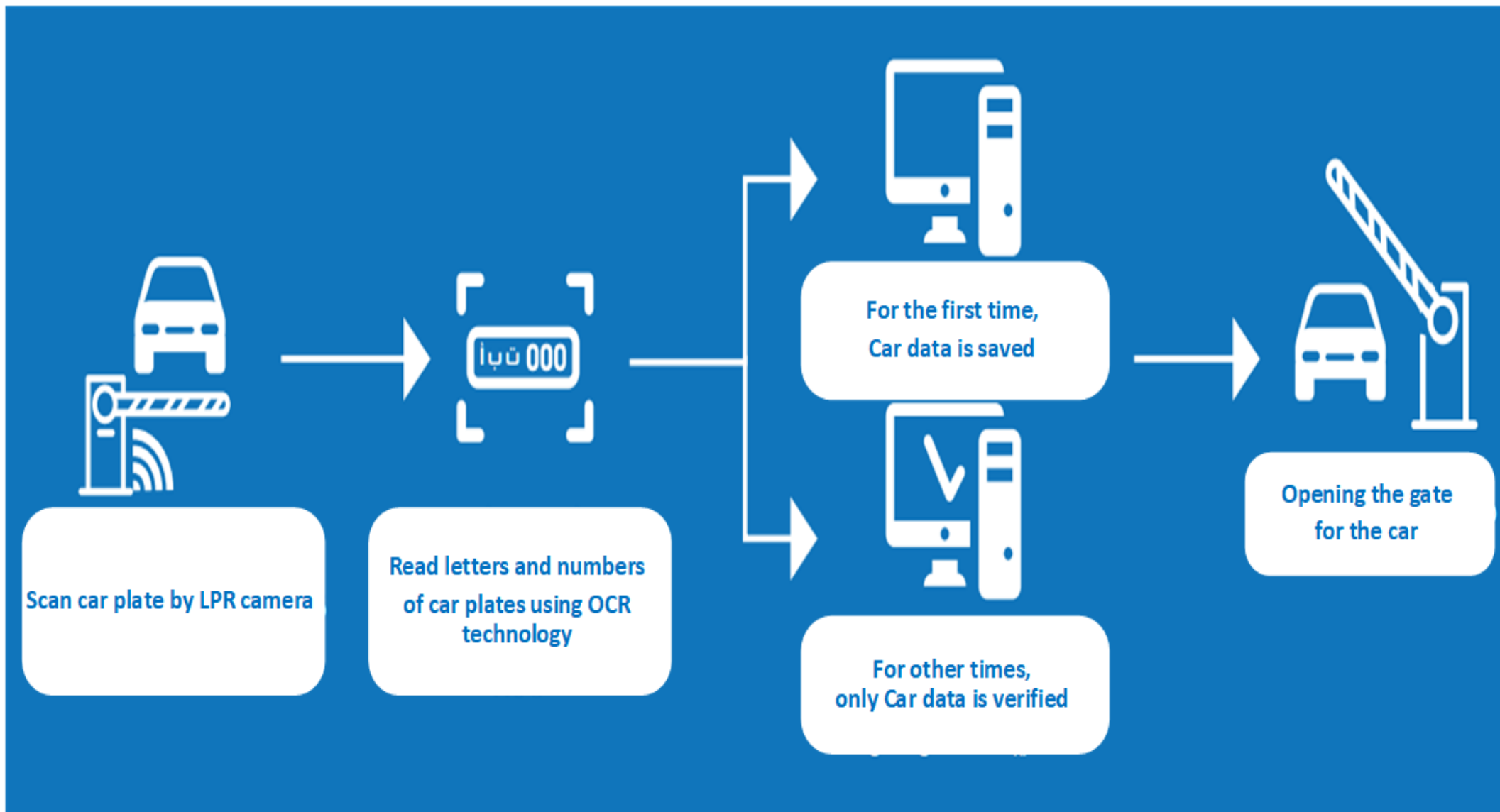
This policy shall be posted at working locations, and all those engaged in work for **SMART LIFE** or present at those locations shall be aware of its contents and shall commit themselves to its fullest implementation.

Date: 1/11/2022




Mohamed Alaa
Managing Director

LPR Work Technique



Features

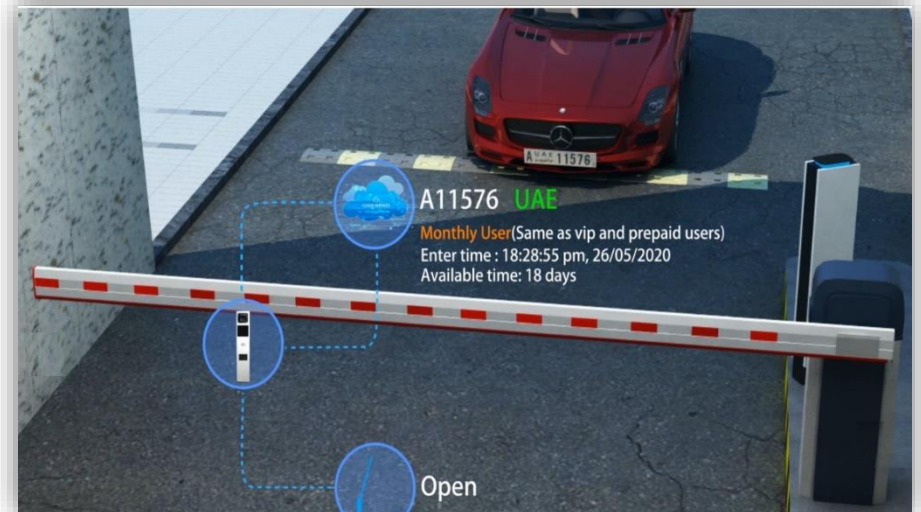
- **Camera Specification: (SPK-LPR1-SP)**



- High quality imaging with 4 MP resolution
- Excellent low-light performance
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- 24/7 colorful imaging
- Work in dark mode
- Controller Car-Loop detector trigger

- **Applications:**

- Parking Management systems
- Parking Guidance systems
- Access control Gates
- Entrance gates security roles
- Parking Ticketless and payments
- Car finder applications
- Entrance Screen for car no. and spaces
- Road traffic monitor and record
- Work with all Arab countries Car License Plates
- Customization as customer needs



Advantages



Accuracy and high speed in scanning and reading license plates



Reducing the cost and time taken to register a car



Store and archive data where it can be referenced later



Get a lot of detailed and total reports



Improving security by knowing the cars that were registered in the same day and the frequent visits



Promote professionalism in the visitor check-in process



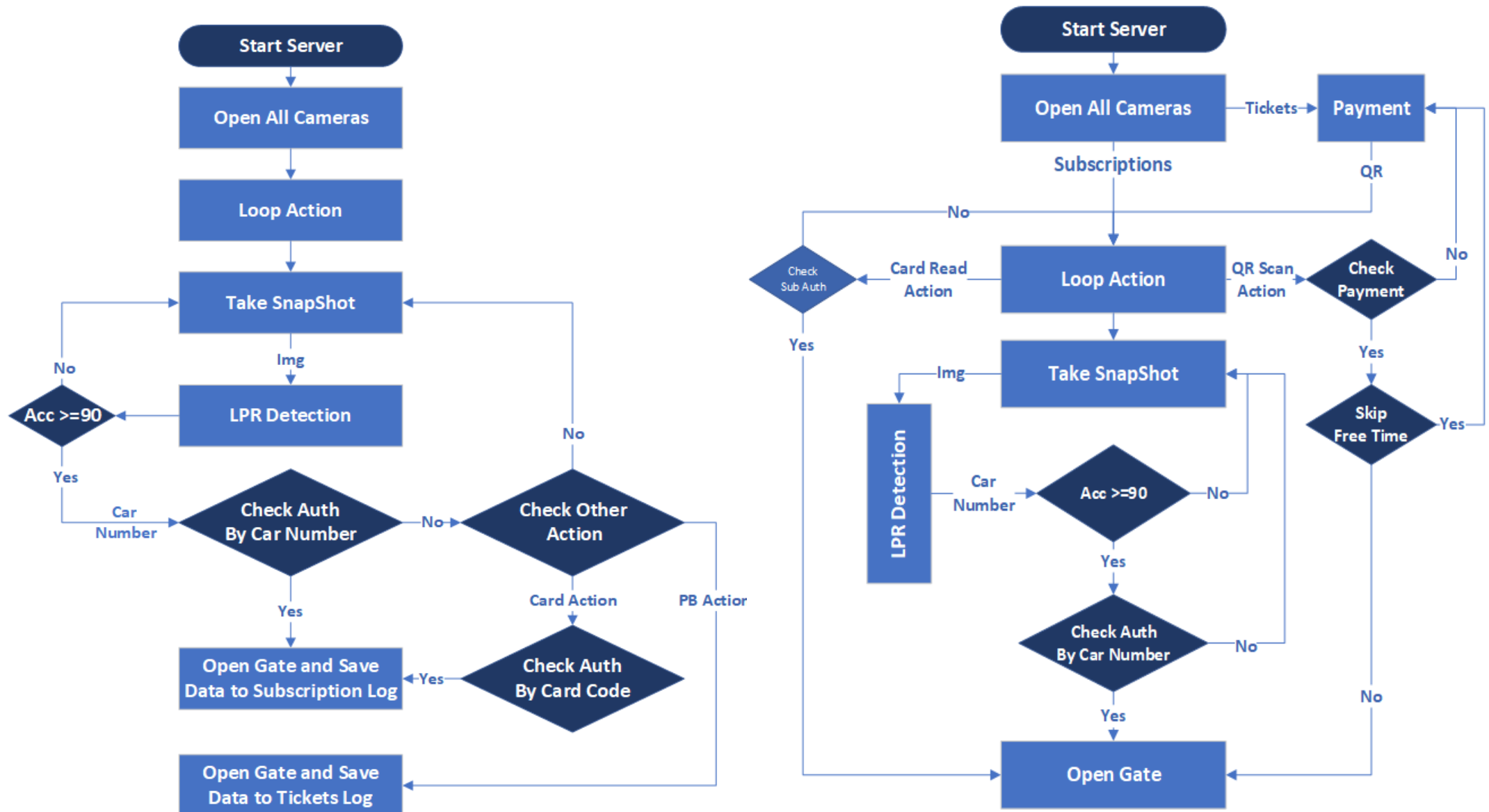
The program works 100% offline, as it guarantees data protection and privacy

Car Plate Recognition Technology

- It is a technology that uses optical recognition of letters and numbers in images captured by surveillance cameras of car plates the results appear in less than a second, images are taken from all angles and the results are shown with high accuracy. we create a strong database with full details needed and total reports for each car and its owner.
 - A picture of the license plate is taken, the visitor is registered, and the car numbers are linked to the visitor. In the event of a repeat visit, the program recognizes the license plate and allows the visitor to enter without registering again
 - The exact time and date are recorded with each car to know that were it logged in and out.
- 
- The system is implemented at the entrance to the security control in a highly restricted area such as military areas or areas around high government offices where the system secures more protection.
 - Many languages can be used in many Arab countries, e.g. [Egypt, UAE, Saudi Arabia, and Qatar]. Or other countries e.g. [US, China, ...], and analyzed results such as (car plate numbers - car color - type - brand - model - car direction).
 - The possibility of determining the type of car, for example (owner, rent, transport ... etc.) and benefiting from that with detailed and total reports according to the type of car.
 - The program can be run alone or linked to the smart parking management system or the smart security monitoring system.

LPR and Parking System

Flowchart of the system for Entrance Gate / Exit Gate



LPR Software

(SPK-AZ2-SF3)

Initialize LPR connection from the Server System

arking System Server

Monitor Screens Cameras

Status

Login Sucsesful IP: 192.168.1.64 UserId: 1

Cameras

	DID	camID	camName	camIP	camUser	camPass	camState	DT	LogID
▶	1	1	In	192.168.1.64	admin	smartLIFE	☒	11/07/2022 3:25 PM	1

Ex

LPR Reports

The image of the car is saved, analyzed, and plate number is recognized, then data to be saved in the database.

The user can review the vehicles entry and exit processes, and print reports.

Smart Parking - [Reports]

خروج

مساعدة اعدادات تقارير اشتراكات بوابة

Tickets Log Cards Log Subscription Payment Cashiers Still General Log Statistics

From 2022-11-01 03:45 PM To 2022-11-15 03:45 PM Code Car Number Fill Excel Print

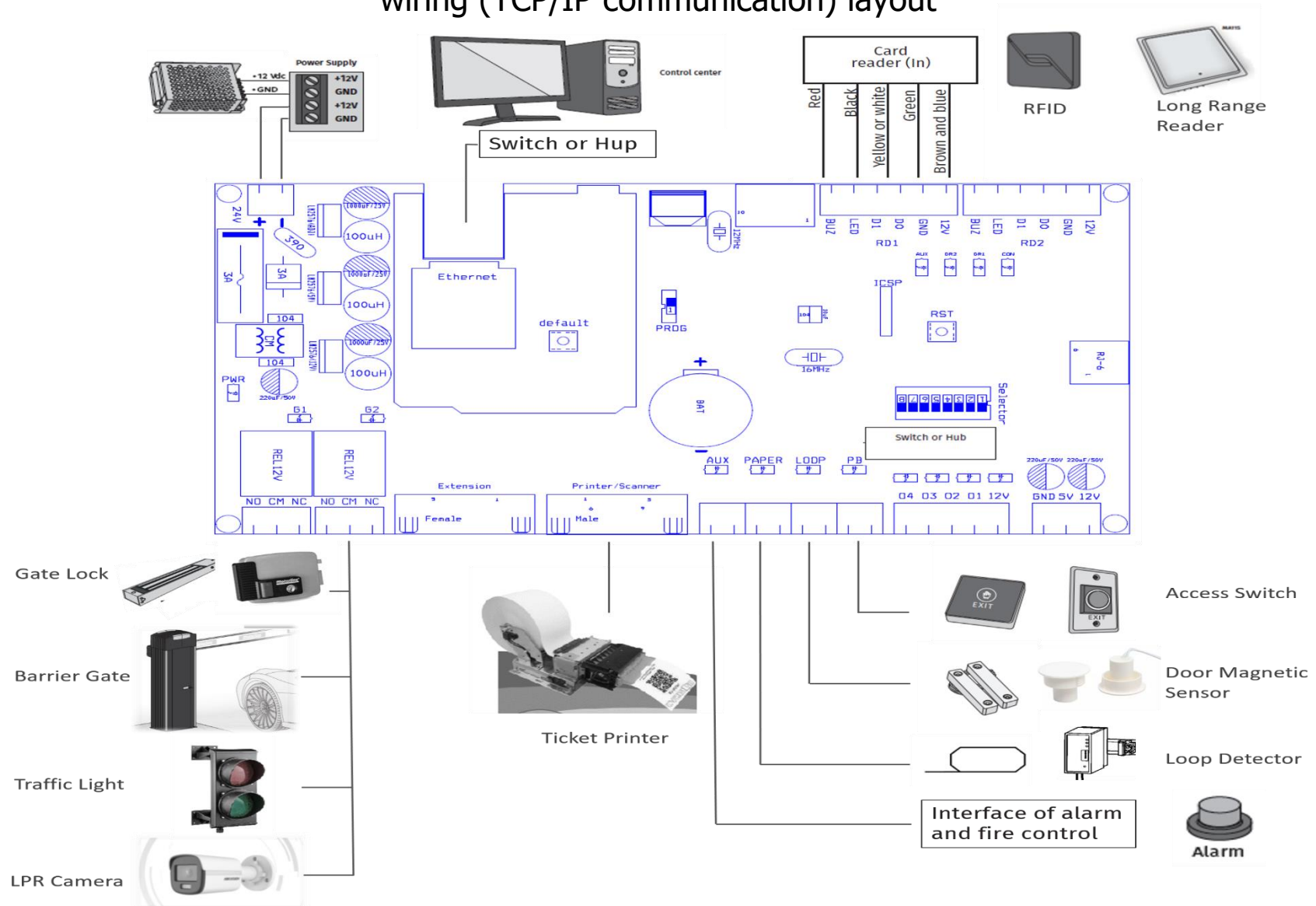
	Code	IN Date	Out Date	Final Date	Name	Cost	Discol	Total	Park	No	carNum
	123...	202...	202...			0.0...	0.0...	0.0...	Delt...		
	123...	202...	202...			30....	0.0...	30....	Delt...		
	123...	202...	202...			30....	0.0...	30....	Delt...		
	123...	202...	202...			0.0...	0.0...	0.0...	Delt...	٢٢٣٦	ابرا
	123...	202...	202...	202...		0.0...	0.0...	0.0...	Delt...		
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٢٨٥	هسل
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٤٩٤٧	مو
▶	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٥٤٨٤	اف
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٨٨٩٤	فقي
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٥٢٣	هبق
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٦٦٧١	بص
	123...	202...	202...		Admin	30....	0.0...	30....	Delt...	٧٨٩	بجن
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٦٥٧	اوص
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٩٣٥	عجا
	123...	202...	202...			30....	0.0...	30....	Delt...	١٨١٣	سوب
	123...	202...	202...		Admin	0.0...	0.0...	0.0...	Delt...	٥٤٣	قب
	123...	202...	202...		Admin	50....	0.0...	50....	Delt...	L..	
	123...	202...	202...		Admin	30....	0.0...	30....	Delt...	٧٣٥٧	ابد
	123...	202...	202...			30....	0.0...	30....	Delt...		
	123...	202...	202...			30....	0.0...	30....	Delt...		

Image

Controller ANPR

(SPK-MB201-LPR)

Controller with loop detector to trigger LPR camera and take required action.
wiring (TCP/IP communication) layout



Installation Coordinates

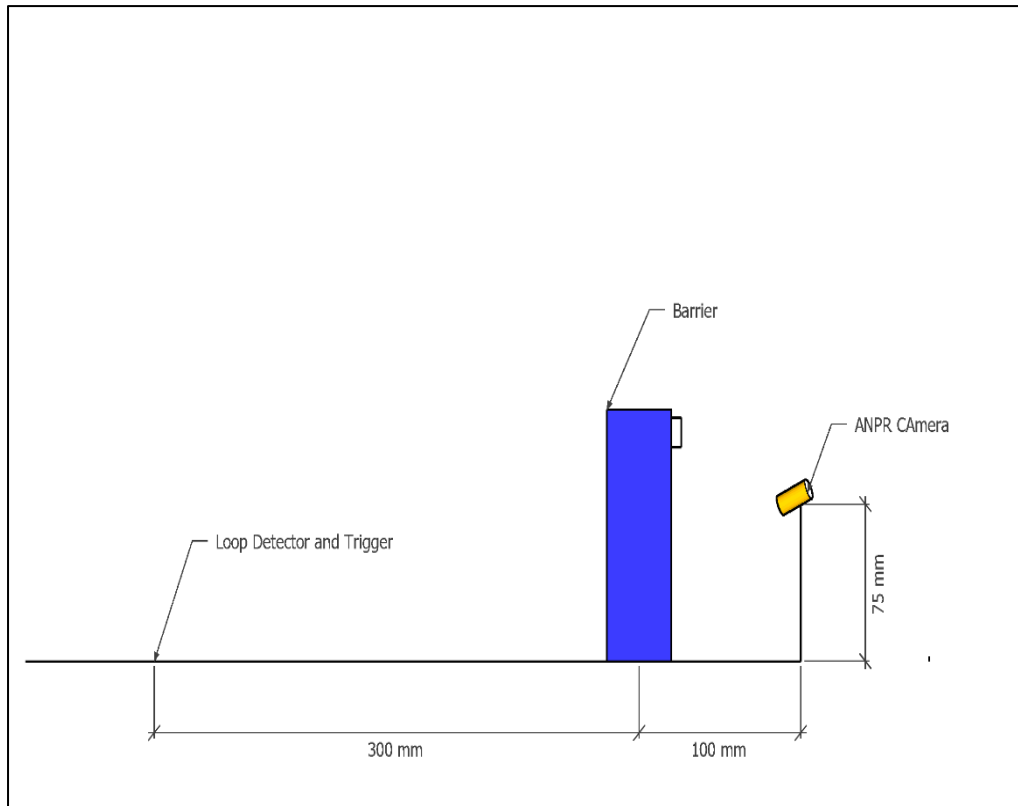


Figure (1) Side Coordinates

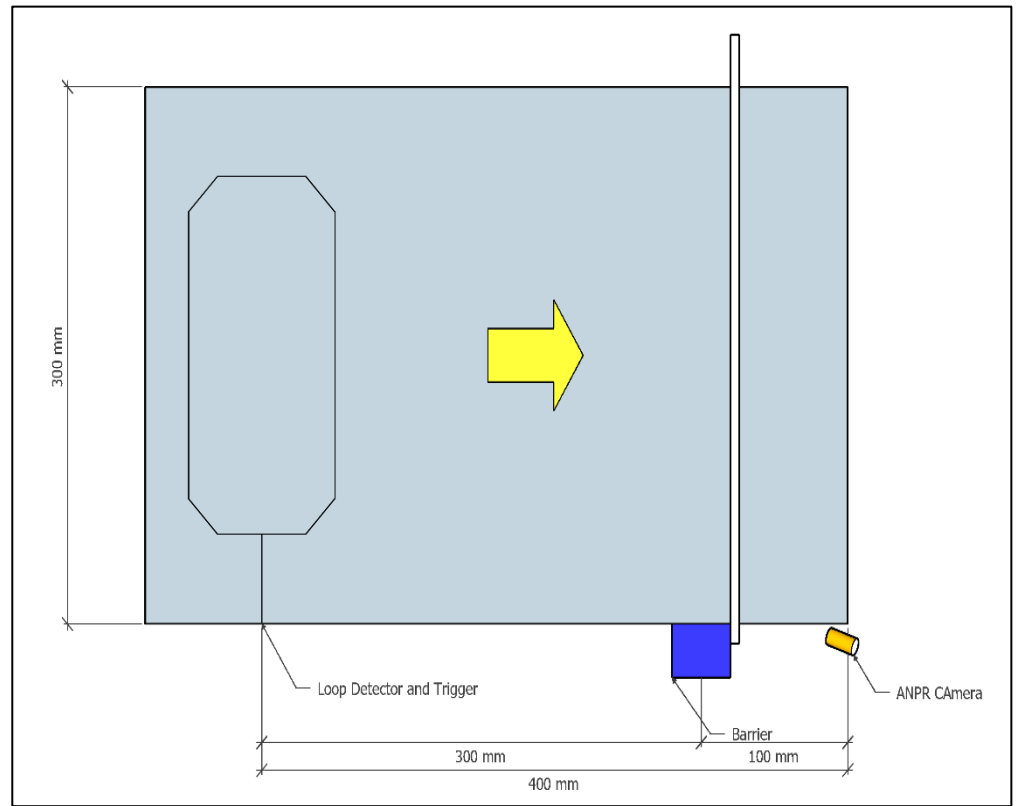


Figure (2) Overhead Coordinates

Installation Coordinates

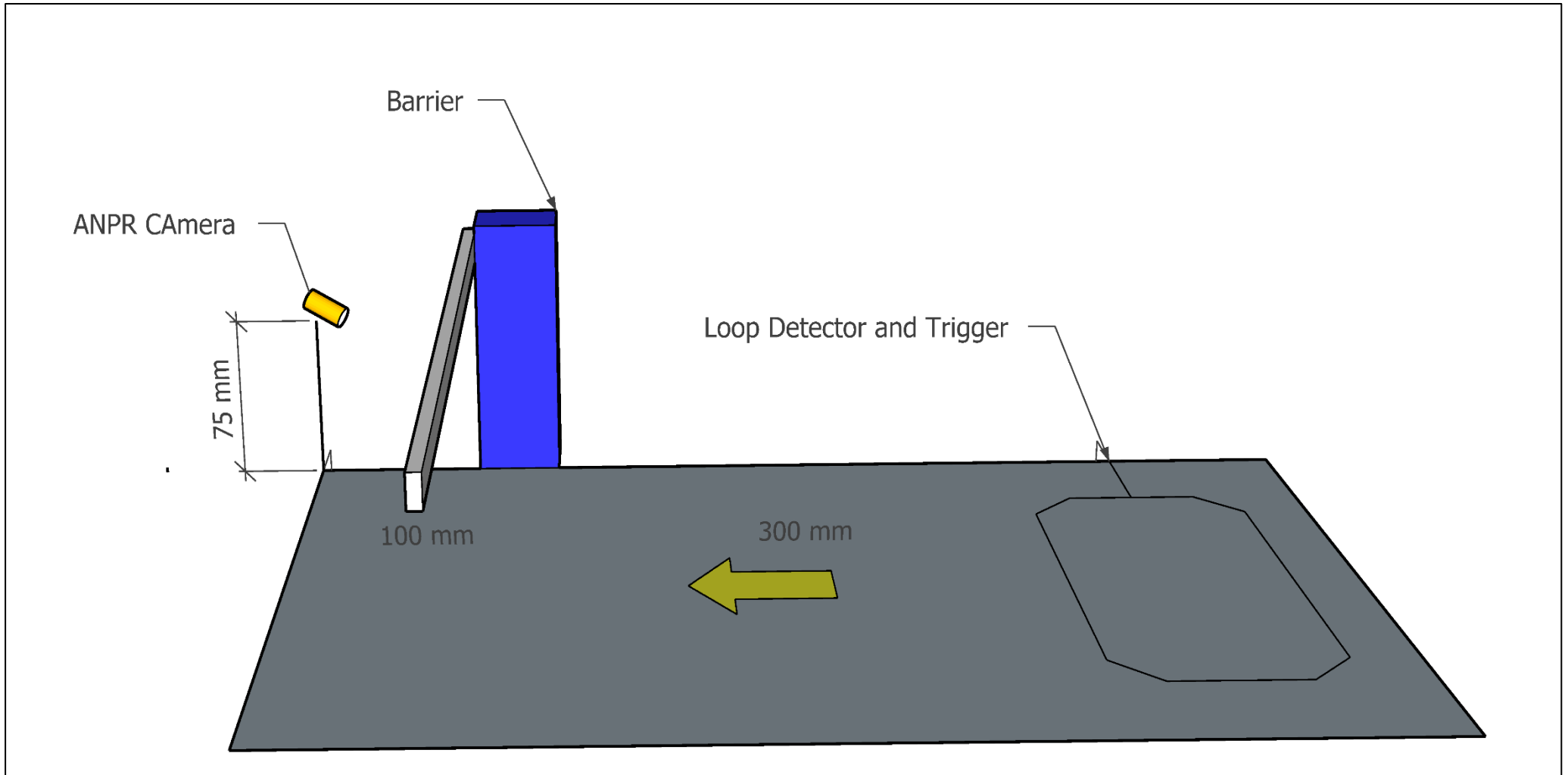


Figure (3) 3D Coordinates

Approvals



Commercial Agency Agreement

Commercial Agency Agreement

For this particular instrument in which they are parties on the on hand,

ELECTROCELOS – Sistemas Automatizados e Comunicações de Barcelos S.A., based in Travessa do Sobreiro nº 29, in Rio Covo (Santa Eugénia), City of Barcelos, Portugal, with NIPC nº 503612871, commercial conservatory registry of Barcelos.

And the company representative,

SMART LIFE FOR CONTROL DEVICES, based in 3rd Sharawy St. - Madrab Elarz - Fayoum - Egypt, with the tax number (NIPC) 547-403-585, represented by the manager, Muhamad Alaa Elden Muhamad.

The signatories of this instrument, duly qualified, have each other, fair and agreed this Private Instrument of Commercial Representation Agreement, which shall be governed by the terms and conditions hereinafter set forth and accepted:

1st Clause (Definition)

- ELECTROCELOS S.A.** gives **SMART LIFE FOR CONTROL DEVICES**, the commercial representation of product marketing, allowing **SMART LIFE FOR CONTROL DEVICES** to promote the realization of commercial business, touting proposals and requests, to transmit them to **ELECTROCELOS S.A.**
- The products, object of this contract, are detailed in the product catalog that has been defined by the parties and will be an integral part of this agreement.
- The parties agree that if there is exclusion of one or more products object of this representation, or any addition or substitution of one or more products, **ELECTROCELOS S.A.** will express communication to **SMART LIFE FOR CONTROL DEVICES** indicating to exclud them or includ them, as appropriate, of this representation, using this communication as additive and becoming an integral part of this agreement.



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جمهورية مصر العربية
وزارة الاتصالات وتكنولوجيا المعلومات

هيئة تنمية صناعة تكنولوجيا المعلومات
مكتب حماية حقوق الملكية الفكرية

شهادة إيداع وتسجيل مصنف حاسب آلي

رقم الإيداع / التسجيل: ٠٠٤٠٦٨

تاريخ الإيداع / التسجيل: ٠٤ إبريل ٢٠٢٢

تاريخ الإصدار: ٢٠٢٢/٠٤/٠٤

إسم المصنف: **سمارت باركينج Smart Parking**
رقم الإصدار: (V3.6)
تاريخها: ٢٠٢٢/١/١٥

طبيعة المصنف: ☒ برنامج حاسب آلي ☐ قاعدة بيانات ☐ موقع على الإنترنت
وصف المصنف: نظام تحكم في دخول وخروج الجراجات والمحاسبة بالساعة أو باليوم أو بالإشتراكات الشهرية والسنوية. لغة البرمجة المستخدمة: **C#, SQL**.

تاريخ النشر الأول للمصنف: ٢٠١٩/١
رقم الإيداع السابق: -

إسم صاحب حقوق الاستغلال المالي: **محمد علاء الدين محمد أبو زيد** الجنسية: مصري

سمارت لايف لأجهزة التحكم الإلكترونية والإستيراد والتصدير

العنوان: ٣ شارع الشعراوي مضرب الأرز - بندر القيوم - مدينة القيوم - محافظة القيوم

طبيعة الاستغلال: ☒ إستثنائي ☐ غير إستثنائي
غرض الاستغلال: -
مكان الاستغلال: -

إسم المؤلف: **محمد علاء الدين محمد أبو زيد** الجنسية: مصري

سمارت لايف لأجهزة التحكم الإلكترونية والإستيراد والتصدير

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سجل تجاري رقم: ٥٢٧٣٧ صادر من: سجل تجاري القيوم بتاريخ: ٢٠١٧/٠٨/٢٧

Our Clients



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