



(PARKING GUIDANCE SYSTEM)

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1 Introduction

1.1 Overview

This document describes the details of MobbyPark Locate (Parking Guidance System), Components of the system, Project details and bill of material required for the project.

1.2 Product Overview

MobbyPark Locate is Camera based parking guidance system with revolutionary security features, efficient guidance, parking space individual control and locate your car. It tracks the number of vehicles that enter or exit to the parking zone or level. It also maintains the status of individual parking slot with the license plate details of the parked vehicle. Parking Displays indicates the available parking slots in a level or zone.

1.3 System Components

A typical MobbyPark-Locate installation needs the following components

- Computer with Control Software
- MobbyPark Locate Sensor (QPLS)
- MobbyPark Display (QPD)
- MobbyPark Variable Message Display (MPVMD)
- MobbyPark Cloud Service
- MobbyPark Mobile App

Locate System Architecture

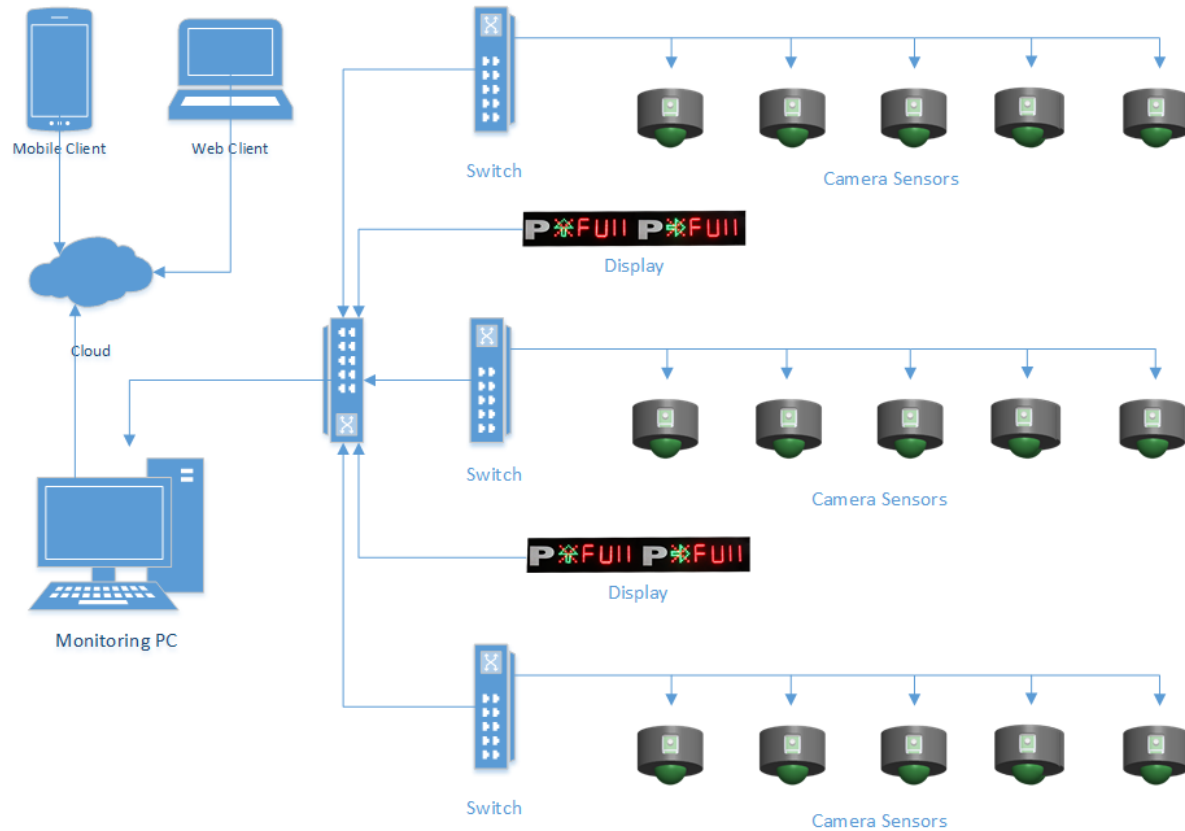


Figure 1.1: MobbyPark Locate System Diagram

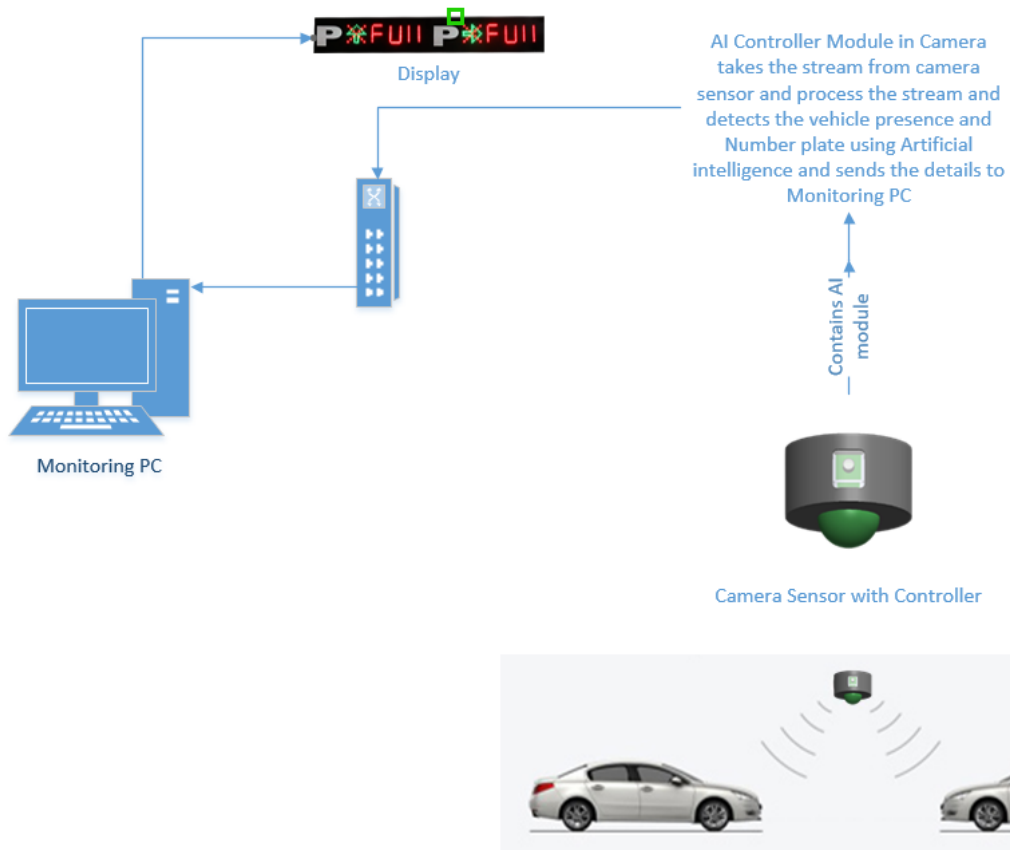
1.4 System

MobbyPark Locate -Parking Guidance System is an innovative and comprehensive solution for modern car park, which provides outstanding features "Parking Guidance", "Find Your Car", "Surveillance".

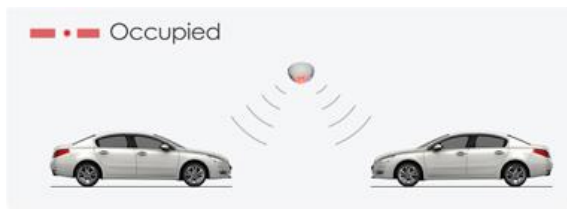
Each camera sensor provides real-time security, monitors license plates and occupancy for up to 6 parking spaces. Thanks to front-end recognition technology, MobbyPark camera sensor can work standalone and define space status independently. Drivers get parking information from lighted

indicator and information signage and track the parked vehicle location on nearby “Find Your Car” query kiosk.

1.5 How it Works



Camera Sensors monitors the parking bays and provides video streams to the MobbyPark Locate Controller inbuilt in Camera. MobbyPark Locate Controller analyzes the video streams using Artificial Intelligence and detects the presence of the vehicle along with license plate details with LPR technology. Different color of the LED indicator will show different status of the parking space, Red-Occupied; Green-Available



PARKING SPACE STATUS



The Occupancy information is then provided to the variable message display. Driver can find the availability parking space efficiently according to the guidance in VMD.

Control Software also provides count information to third party systems through the cloud interface.

MobbyPark also has amobile client to access the count info on the mobile devices.

MobbyPark Locate:

Customer can approach any of the kiosks installed at the premise and, by entering the license plate number into the kiosk, customers can easily locate their vehicle on the floor maps and direction form the kiosk. It will give more enhanced user experience of the car park and the premise.

MobbyPark Locate - Video Security:



Video Streams of all the sensors are continuously captured through MobbyPark Video Management Software. 24/7 view and recording can be provided for all the cameras.

Reports:

- 1) Live Occupancy layout display of parking area
- 2) Slot wise occupancy reports (hourly, daily, weekly, monthlyetc)
- 3) Vehicle wise occupancy reports (hourly, daily, weekly, monthlyetc)
- 4) Slot utilization reports
Parking area / zone wise total available, occupied slots count

Images from Camera:

