eTraffic-Parking Ticketing System

Automated e-Traffic-Parking Ticketing System

Digital Data Corporation (DDC) a pioneer in the Mobile Application Solution has come up with a mobile solution to address this problem.

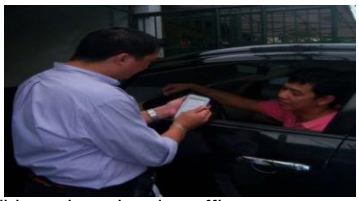
Introducing Wireless (Mobile and Handheld) Traffic – Parking Ticketing System or eTPTS eTPTS will change the way issuance of violation and parking tickets as we know it.

The system is composed of :

1. Rugged mobile handheld computer; with following options:
✓Mi-fare Reader, Smart Card Reader, Magnetic Card Reader, Bar Code Reader
✓Batch or Real time options – for Real time, SMS or GPRS capability
✓Wi-Fi
2. Thermal Pinter with Bluetooth connection
3. DDC-developed System

The system is designed to save time in all aspect of work; from the time when the ticket is written, how and when data is sent, how and when return of information is received by field traffic officers, how data is integrated to the server system, until when it's processed by the courts.

Just as important, it greatly enhance safety both for drivers and officers by non-contact information gathering, increases accuracy, reduces paperwork, and gives the Traffic Management aggregate information on citations it can use to deploy officers to areas where accidents and violations occur most frequently



Key Benefits

✓Increase efficiency
✓Less Error
✓Less Cost
✓Traffic and police officers will have less time in traffic courts
✓Immediate and accurate information against repeat offenders
✓Officers who suspect something wrong with the vehicle and can send inquiry thru the plate number and immediate and automatic reply can be received. Thereby avoiding actual confrontation.
✓Built-up of traffic is avoided due to quick process
✓Information will be useful in future urban planning
✓Enhance public safety
✓Complete and fast information for conviction on traffic courts

In creating a workflow for writing tickets electronically, the goal was to automate as much of the process as possible. One reason is to save time; the less time it takes to complete a traffic stop, the less chance there is of a confrontation with the driver that could threaten the officer's safety. What's more, completing stops quickly minimizes hazards to both the driver and officer in areas with heavy traffic.

Automating steps also prevents technical errors, and electronic citations eliminate the handwriting problem common with hand-written tickets. It is an accepted fact that some citations fail to make it through the courts because of errors, incomplete data and legibility issues.

Fast & Efficient Real-time information

Normally, traffic officers take from five to seven minutes to hand write a ticket on a typical traffic stop, but electronic tickets can cut that time to as little as two minutes A major factor in that time savings is the real-time wireless connection from the handheld back to headquarters. When an officer makes a stop, he or she can enter the driver's license and license plate numbers on the handheld. Then the system wirelessly transmits a query to the motor vehicle database for driver info as well as driving status, such as a suspended or revoked license. It may also (future) query other databases such as the Land Transportation Office (LTO), Philippine National Police (PNP), and National Bureau of Investigation (NBI) for warrants, stolen property and other information.

In test done, it takes about six to 15 seconds to run the query, and then the software automatically fills in (auto-fills) data fields on the form, such as the driver's address, height, weight and date of birth, along with vehicle information. That saves the officer from having to enter the information manually, and because it comes directly from the motor vehicle database, it ensures the information is accurate.

The wireless database query also saves the department from clogging up radio traffic with motor vehicle inquiries.

Officers can also use the system to make positive identifications. If a driver does not have his or her license, the officer can enter the driver's name and date of birth, and the system calls up the driver's license photo that the officer can then match with the driver. This will save the driver from having to go to a police station to verify his or her identity. Officers have also used this process to catch drivers giving out false information in order to avoid a ticket or being arrested on an outstanding warrant.

Similar scenario is applicable to Vehicular Accidents, Illegal Parking and Vehicle Verifications.

A Traffic Officer prints a citation.

Rugged and dependable are require. Device should be able to work rain, high humidity, extreme heat, or other adverse weather conditions. Even if they accidentally drop the unit onto pavement or into a puddle, it won't damage the unit, and they won't lose any data.

Besides ruggedness, other features should be available to the data collector terminal and printer such as long battery life, a large, touch screen that's easy to read in bright sunlight as well as at night, minimal maintenance, low maintenance cost, and immediate maintenance and repair support.

OTHER USES

There are a lot of uses for these devices besides writing e-citations
1. Parking Fee receipts
2. Verifications of Vehicles
3. Verifications of Drivers

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