Autopatrol Parking

Purpose

«Autopatrol Parking » is a traffic enforcement system intended to efficiently identify and register parking violations and scofflaws.

The system registers the following violations:

− Parking in a prohibited space such road with certain road signs or marking;
− Parking on a sidewalk (unless specifically allowed by signs);
− Double parking or parking facing wrong direction;
− Parking in or too close to or within a street crossing, railroad crossing or crosswalk;
− Parking in a prohibited space such as a bus stop or a driveway;
− Parking on lawns, in parks, children's playground and sport facilities.

The system forwards violation data to the Data Processing Center via Ethernet or GSM line.

Scope of Supply:

− DVS-806A camera − 1 pc;
− CVD-521controller − 1 pc;
− Mounting kit − 1 set.

DVS-806A PTZ camera scans possible violation areas. The system detects prohibited parking by measuring vehicle presence time in the area with defined time.

CVD-521 controller with preinstalled « Autopatrol Parking» software recognizes license plates, registers location and time. As soon as the system detects the same license place detected 5 minutes earlier, it sends the evidence via secured GSM line (fiber as option) to traffic enforcement center to issue citations. The evidence includes 4 pictures: 2 general view images and two more detailed ones with 5 min or more time difference proving parking violation.

Application

«Autopatrol Parking» software allows to create any number of surveillance zones, apply flexible schedules considering weekends, holidays, even and add dates. Max distance for efficient operation is set as 100 m in each direction.

Technical specification

Parameter	Value
Detection range, m 45° parking; Parallel parking; Perpendicular parking.	 105 95 30
Detection area width, m	from 1 to 20
Detection zones	unlimited
Detected violation time	from 1 min to 24 hours
License plate recognition rate, %	96
Violation messages (at continuous presence)	1
Frame rate, fps	25
Resolution, TVL	540 (color) 600 (w/b)
Operating time	24/7
Violation data storage period, day and nights	30
Number of stored violations	1000
GSM data communication	Yes
Cycled data recording	Yes
Different week day and time modes	Yes
Average lifetime, years	5
Meantime to failure, hours	3000
Ingress protection	IP65
Operating temperatures, °C	from − 40 to + 50
AC voltage, V/Hz	220 / 50
Max consumed power, W	700
Weight, kg	20

Template Layout

Template Layout
«Autopatrol Parking»Parking Enforcement System