

# Autopatrol Intersection



## Purpose

The system is intended to register traffic law violations: “running red traffic light” and “disregarded stop line defined by road signs or marking”.

The system forwards violation evidence to Data Processing Center via Ethernet or GSM.

Scope of supply:

- SDP-806A camera – 1 pc.;
- SDP-818A camera – 2 pc.;
- SDP-857A camera – 2 pc.;
- CVD-10215-50 floodlight – 2 pc.;
- CVD-529 controller – 1 pc.;
- Mounting kit – 1 set.

«Autopatrol Intersection» traffic enforcement system applies one PTZ and four fixed cameras to register violating vehicles’ number plates ” in four traffic lanes in two crossing directions.

Fixed cameras register disregarded red light violation: SDP -857A recognizes frontal license plates, SDP -818A cameras acquire picture of all lanes of one direction from the driver's field of view and capture the traffic light as well.

SDP-806A PTZ video camera registers stop-line violation and recognizes license plates of cars having crossed the stop-line but still within the intersection. Both violation types are registered at the same time.

«Autopatrol Intersection» software defines the color of the traffic light as per the video frame without connection to the traffic light controller

CVD-529 controller with preinstalled «Autopatrol Intersection» SW processes video streams, recognizes license plates, generates photo evidence to issue traffic bills and citations and transmits this information to Data Processing Center via secured GSM line (fiber line as an option).

The evidence includes pictures confirming traffic violation. IR floodlight provides 24/7 operation.

## Application

«Autopatrol Intersection» traffic enforcement system is applied to control intersections and roads with traffic lights.

## Technical specification

Parameter	Value
Number of controlled directions	2
Number of lanes for red light violation detection in each direction	2
Number of lanes for disregarded stop line detection in each direction	5
License plate recognition rate, %	96
Operating time	24/7
PTZ camera resolution, TVL	540 (color) 600 (w/b)
Video frame rate, fps.	25
Resolution of place recognizing cameras, px	1280 × 960
Resolution of general view cameras, px	704*576
Max IR floodlight distance, m	50
Violation event storage time, days and nights	30
Number of stored violations events	1000
GSM data transmission	Yes
Cycled rerecording	Yes
Different week days 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	800
Weight, kg	30

## Template Layout

