

Electronic Enforcement Systems

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Electronic Enforcement Systems

Traffic accidents, which increase as a result of rapidly growing vehicle ownership in our country, necessitate the use of electronic systems in traffic control.

Systems that are developed and design by us;

- Automated Number Plate Recognition Systems,
- Red Light Enforcement Systems,
- Speed Corridor Enforcement Systems,
- Parking Enforcement Systems,

are the basic elements of the traffic enforcement.

Our systems are integrated into the POLNET system used by the General Directorate of Security and are available 24/7 under all weather conditions with 95% accuracy level.

Automated Number Plate Recognition Systems

Automated Number Plate Recognition System allows the vehicle license plates to be read, stored and analyzed. The Automated Number Plate Recognition System consists of an image based plate recognition unit and central server applications.

The Automated Number Plate unit contains a high-resolution camera and embedded processor platform within an IP66 enclosure with built-in IR illumination unit. System is able to detect the vehicle's license plate, brand and color in any weather condition within 7/24. Due to the system. These data can be transferred to a desired remote location either wired or wirelessly.















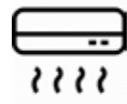







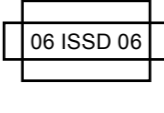




Easy Operation, Easy Installation and Easy Integration

Highway Number Plate Recognition Systems in compact structure can be mounted on roads, bridges, highways and art structures.

Automated Number Plate Recognition System Applications

- Automated Number Plate Recognition Systems
- Red Light Enforcement Systems
- Speed Corridor Enforcement Systems
- Parking Enforcement Systems
- Mobile Number Plate Recognition Systems

Automated Number Plate Recognition Systems

								
TYPE	RESOLUTION	LENS	IR ILLUMINATION	VIDEO FORMAT	NETWORK	STORAGE	RELAY OUTPUT	SUN VISOR
Integrated License Plate Recognition System. All In One Unit (Camera, IR Source, OCR Processor Unit)	3 MP, 2048 x 1536 Pixel CMOS colour camera	Varifocal (5mm ~ 50 mm)	6 Pieces High Power Infrared Led, 850 nm	1920x1080 30 FPS (H.264, H.265, MJPEG, MPEG4)	10/100 Base-T Ethernet (Opsiyonel POE)	64 GB SSD (It can be upgraded to 512 GB)	Available	Available
								
WEIGHT	OPERATING TEMPERATURE	OPERATING VOLTAGE	POWER CONSUMPTION	OPERATING HUMIDITY RANGE	INTERNAL HEATER/COOLER	HOUSING	SIZES	HORIZONTAL FIELD OF VIEW
4.5 Kg	-40 ~ +85	24 VAC	20 ~ 35 WATT	%5 ~ %90 Humidity	Both Available	IP66 / IK10 / NEMA 4X	164 x 132 x404 mm (GxYxU)	4,2 Meters
								
SUPPORTED PROTOCOLS	TIME UPDATE	REAL TIME FILE TRANSFER	PHOTO LABELLING	NUMBER PLATE RECOGNITION	VEHICLE RECOGNITION	CE CERTIFICATE	CERTIFICATION	STORAGE ACCESS
TCP/IP, UDP, HTTP, FTP, SMTP, NTP, DHCP, RTP	SNTP Server SYNC	Simultaneous Transfer of Files Can be Adjusted Between 1 to 100 for Specified FTP Server	Available (Number Plate System Name, Date etc.)	Rectangular/ Square, Non- Reflecting Surfaced Number Plates	%95 Accuracy Range Brand and Color		LVD EN 61000, EN 60950 EN 55016, EN 60068	FTP

POINTR™ Moonlight Image Quality

POINTR™ Image Quality




Red Light Enforcement System POINTR™ K3000, detects vehicles that has red light enforcement. The system contributes to the increase of the traffic safety by minimizing the accidents that occurred due to the enforcement.

POINTR™ K3000, includes one POINTR™ 3000 Plate Recognition Unit for each lane, one wide-angle vision camera and a high power flash unit. The system detects light enforcement devices with using virtual loop technology. Plates belonging to vehicles that enforced red light are detected automatically by the system and transferred to PLATÜRK™ software. The system transfers the video recordings to the center before the enforcement and after the enforcement. If requested, the Red Light Enforcement System can be integrated with the Speed Enforcement Detection System.

The images obtained from the Red Light Enforcement System and the processed data (location, license plate, vehicle brand, vehicle color, date and time of the enforcement) are automatically transmitted to PLATÜRK™ Software and criminal receipts are automatically generated and presented to the operator's approval.















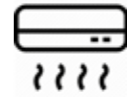







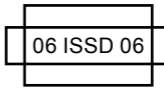




Red Light Enforcement Recognition Systems

- Line – based red light enforcement detection
- Number plate recognition
- 7/24 red light enforcement detection
- Remote access
- Automatic standby incase there is a fault in the signal
- Turn off the system from the main control center when the traffic policeman manages the junction
- High resolution video recording



Red Light Enforcement Day / Night



TYPE	RESOLUTION	LENS	IR ILLUMINATION	VIDEO FORMAT	NETWORK	STORAGE	RELAY OUTPUT	SUN VISOR
								
Integrated License Plate Recognition System. All In One Unit (Camera, IR Source, OCR Processor Unit)	3 MP, 2048 x 1536 Pixel CMOS colour camera 12 MP White Angled Camera	Varifocal (5mm ~ 50 mm)	620 nm Flash Unit	1920x1080 30 FPS (H.264, H.265, MJPEG, MPEG4)	10/100 Base-T Ethernet (Opsiyonel POE)	64 GB SSD (It can be upgraded to 512 GB)	Available	Available
WEIGHT	OPERATING TEMPERATURE	OPERATING VOLTAGE	POWER CONSUMPTION	OPERATING HUMIDITY RANGE	INTERNAL HEATER/COOLER	HOUSING	SIZES	HORIZONTAL FIELD OF VIEW
								
4.5 Kg	-40 ~ +85	24 VAC	20 ~ 35 WATT	%5 ~ %90 Humidity	Both Available	IP66 / IK10 / NEMA 4X	164 x 132 x404 mm (GxYxU)	4,2 Meters
SUPPORTED PROTOCOLS	TIME UPDATE	REAL TIME FILE TRANSFER	PHOTO LABELLING	NUMBER PLATE RECOGNITION	VEHICLE RECOGNITION	CE CERTIFICATE	CERTIFICATION	STORAGE ACCESS
								
TCP/IP, UDP, HTTP, FTP, SMTP, NTP, DHCP, RTP	SNTP Server SYNC	Simultaneous Transfer of Files Can be Adjusted Between 1 to 100 for Specified FTP Server	Available (Number Plate System Name, Date etc.)	Rectangular/ Square, Non- Reflecting Surfaced Number Plates	%95 Accuracy Range Brand and Color		LVD EN 61000, EN 60950 EN 55016, EN 60068	FTP

Speed Corridor Enforcement Systems

Speed Corridor Enforcement System calculates the average speeds of the vehicles between two specified points on the highways, and detects the vehicles that enforcement the rule.

Speed Corridor Enforcement System number plate recognition units placed at the entrance and exit of the road where the speed control is to be performed and a central software that calculates the average speed using the plate information obtained from these units. The time of travel between these two points is measured and the value is converted to the velocity information of the velocity using the distance information. The system takes video recordings of vehicles by detecting high-resolution cameras in single or multi-lane roads, which are followed by a row or side by side.

In addition, the speed infringement place, time, date, distance, direction, speed of the vehicle, speed limit, speed infringement etc. the informations transferred to the penalty receipt. In case of attempting to intervene in the system other than the possible malfunction and authorized individuals, speed corridor enforcement system may send an audible warning to the center. Unlike point-based speed detection systems, radar is not used in the system, and the need for calibration at this point is almost eliminated. However, inspections based on average speed calculation open the way for vehicles to comply with speed limitations across the entire route, and accidents due to excessive speed provide greater contribution to prevention.



Speed Corridor Enforcement Systems Features

- Remote control
- 7/24 speed enforcement
- High resolution photography of the offending vehicle and license plate identification
- Video record

Corridor Speed Enforcement Systems

TYPE	RESOLUTION	LENS	IR ILLUMINATION	VIDEO FORMAT	NETWORK	STORAGE	RELAY OUTPUT	SUN VISOR
Integrated License Plate Recognition System. All In One Unit (Camera, IR Source, OCR Processor Unit)	3 MP, 2048 x 1536 Pixel CMOS colour camera	Varifocal (5mm ~ 50 mm)	6 Pieces High Power Infrared Led, 850 nm	1920x1080 30 FPS (H.264, H.265, MJPEG, MPEG4)	10/100 Base-T Ethernet (Opsiyonel POE)	64 GB SSD (It can be upgraded to 512 GB)	Available	Available
WEIGHT	OPERATING TEMPERATURE	OPERATING VOLTAGE	POWER CONSUMPTION	OPERATING HUMIDITY RANGE	INTERNAL HEATER/COOLER	HOUSING	SIZES	HORIZONTAL FIELD OF VIEW
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Park Enforcement System POINTR™ P2000 detects the vehicles in parked parking areas and performs plate detection. The system consists of a high-resolution camera with a Pan-Tilt-Zoom and an embedded image processing card, which continuously scans within a 75-meter radius to automatically detect vehicles in park that exceed the times that are operator-definable.



Vehicle determined to be an enforcement of the park is registered immediately and the duration of the enforcement is determined and a penalty fee can be arranged automatically when the time exceeds the threshold value determined by the operator. However, due to the built-in internal IP camera in the system, the images / video recordings of the car at the beginning and end of the enforcements are transferred to the center.

Image and processed data (location, license plate, car brand, vehicle color, date / time of enforcement) obtained from the parking enforcement detection system are transmitted to PLATÜRK™ Software and criminal receipts are automatically created and presented to the operator for approval.

Automated Parking Enforcement Systems Features

- Detection of enforcement at the field at a radius of 75 meters
- Automatic plate recognition
- Remote access
- 32 preset points infringement detection
- High resolution video recording
- Automatic penalty receipt editing
- Quick setup

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Integrated License Plate Recognition System. All In One Unit (Camera, IR Source, OCR Processor Unit)	3 MP, 2048 x 1536 Pixel CMOS colour camera	Varifocal (5mm ~ 50 mm)	6 Pieces High Power Infrared Led, 850 nm	1920x1080 30 FPS (H.264, H.265, MJPEG, MPEG4)	10/100 Base-T Ethernet (Opsiyonel POE)	64 GB SSD (It can be upgraded to 512 GB)	Available	Available
WEIGHT	OPERATING TEMPERATURE	OPERATING VOLTAGE	POWER CONSUMPTION	OPERATING HUMIDITY RANGE	INTERNAL HEATER/COOLER	HOUSING	SIZES	HORIZONTAL FIELD OF VIEW
4.5 Kg	-40 ~ +85	24 VAC	20 ~ 35 WATT	%5 ~ %90 Humidity	Both Available	IP66 / IK10 / NEMA 4X	164 x 132 x404 mm (GxYxU)	4,2 Meters
SUPPORTED PROTOCOLS	TIME UPDATE	REAL TIME FILE TRANSFER	PHOTO LABELLING	NUMBER PLATE RECOGNITION	VEHICLE RECOGNITION	CE CERTIFICATE	CERTIFICATION	STORAGE ACCESS
TCP/IP, UDP, HTTP, FTP, SMTP, NTP, DHCP, RTP	SNTP Server SYNC	Simultaneous Transfer of Files Can be Adjusted Between 1 to 100 for Specified FTP Server	Available (Number Plate System Name, Date etc.)	Rectangular/ Square, Non- Reflecting Surfaced Number Plates	%95 Accuracy Range Brand and Color		LVD EN 61000, EN 60950 EN 55016, EN 60068	FTP



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