

3DEYES ANPR RESIDENTIAL

3DEYES ANPR PARKING

3DEYES ANPR HIGHWAY

LICENCE PLATE RECOGNITION SYSTEM



PCC ELEKTRONIK developed Automatic Licence Plate Recognition System by utilizing extensive experience and know-how on CCTV security systems field.

System recognize licence plates at every environment - wheather condition on 7/24 hours and brings together the latest in Video Security, Access Control, Monitoring and Alarm System.

System provides suitable solution for every type of organization from parking,AVM,airport to custom gate,residual buldings, otels etc

PCC) (ELEKTRONIK

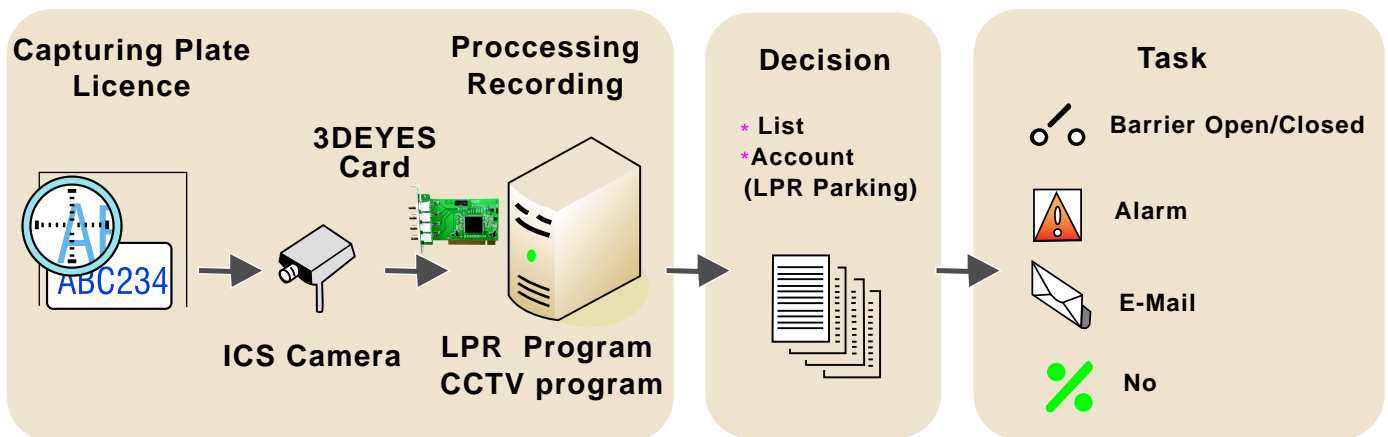
OPERATION PRINCIBLE

Capture : Captures images of a car with a license plate.

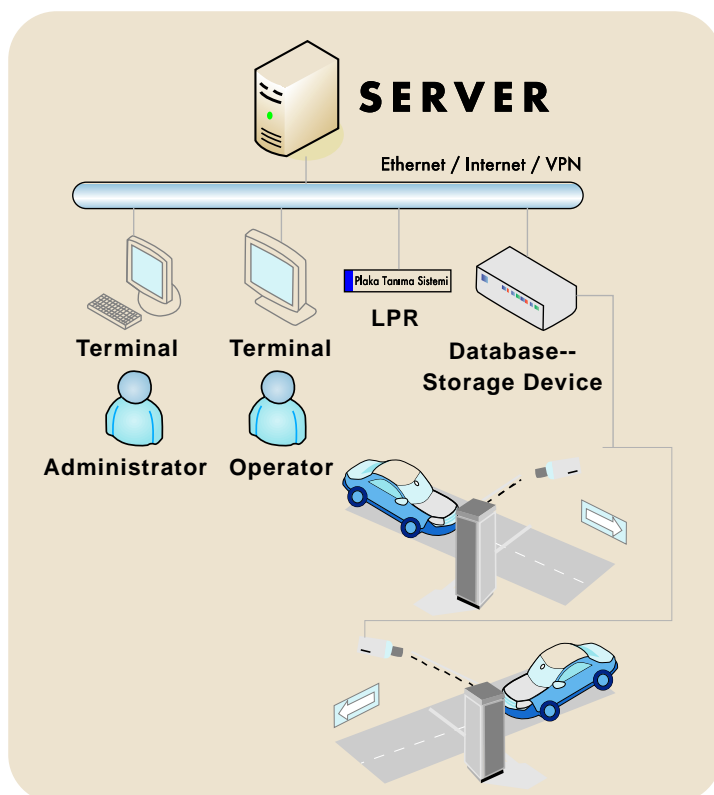
Process : License plates are detected and read .Database contain Vehicle images,plate,date and time of vehicle entrance / exit,

Decide : Each license plate is compared to user-defined positive and negative lists. These lists define if an action is to be taken, such as open a gate (I/O event), send an alarm or if no action should be taken at all.

Action : Based on the result of the action lists , the action is carried out. The system can integrate with most I/O systems, send alarms to the video system, via email User defined events, such as record video can also be configured.



SYSTEM INSTALLATION



1-CCTV camera installation : CCTV cameras installed at the entrance and exit points of the monitored car park allow the ANPR system to automatically log all number plates of vehicles entering and exiting the car park.

2-DVR Card Installation : Inserting DVR Card into PC

3- CCTV surveillance program and ANPR program Installation: System also can host additional hardware such as relay cards to control barriers and traffic lights and communications interfaces such as digital displays.

SYSTEM COMPONENTS

Licence plate Recognition Camera: Captures images of a car with a license plate.at 7/24 hours ,at every environment and weather condition , equipped and synchronised with a IR flash

Main Server : DVR KART inserted, CCTV surveillance program and ANPR program is installed.

3DEYES DVR Cart : Inserted into PC.It transfer analog image to digital images.

3DEYES ANPR program : There is 3 version to suit various kind organization need:Site-parking-highway.

- » ANPR - Residential -ECO
- » ANPR - Residential -PRO
- » ANPR - Parking-EKO
- » ANPR - Parking-PRO
- » ANPR - Highway

3DEYES CCTV Program: CCTV surveillance program





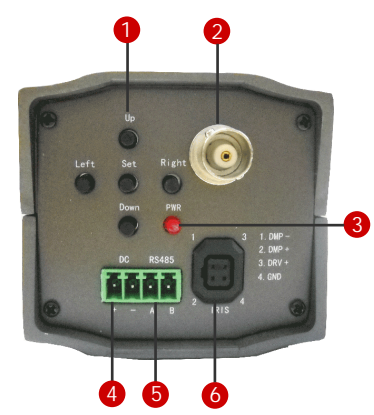
SPECIFICATION

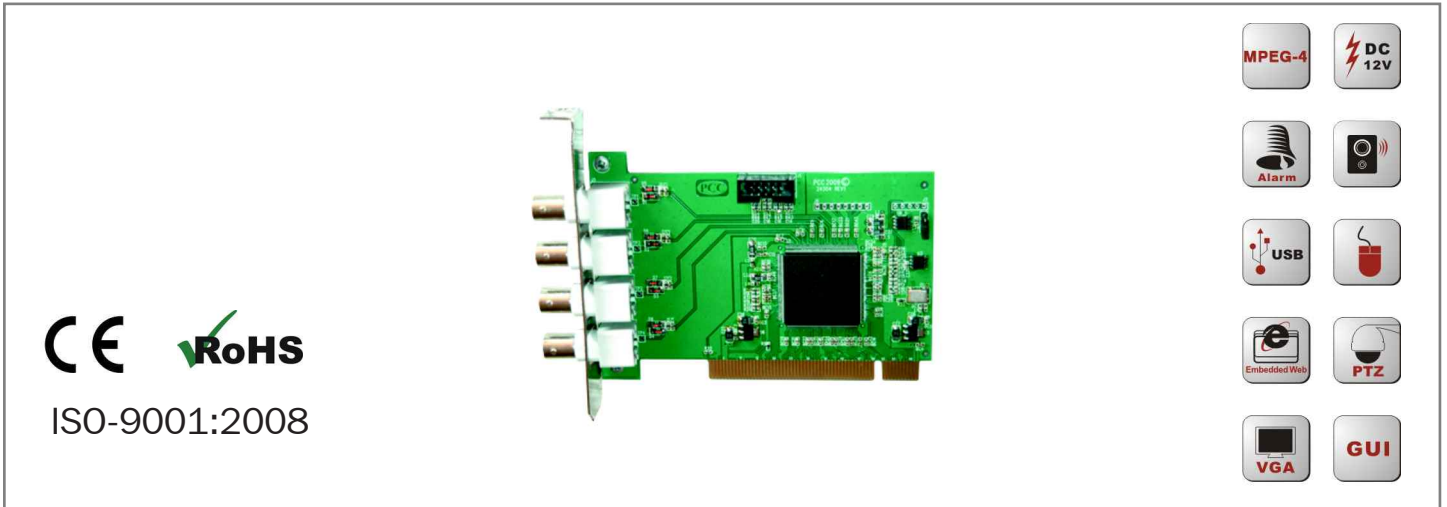
REAR VIEW

Model No		14736
Image Device	1/3" High Quality SONY CCD	
Resolution	550 TVL	
Pixel Number	PAL : 760(H) x 576(V)	
Minimum illumination level	0.1 Lux (Color),0.01 Lux (S/B)	
Lens Mount	C-CS	
Iris Mode	DC and VD	
Elektronic Shutter	NTSC 1/60 - 1/100.000 sn /PAL 1/50 - 1/110.000 sn	
LPR filter	Available	
Day/Night	Available	
AGC/BLC/AWB	Available	
WDR	Available	
MIRROR	Available	
OSD	Available	
Blemish Compensation	256 points(auto/manual)	
Motion Detection	4 area	
Privacy Mask	8 area	
Color Roll/Breathing Supp	Available	
Digital Zoom	Available	
Video Connector	BNC	
S/N Rate	> 48 dB	
Power Input	12 V DC	
Power Consumption	1,5-2 Watt	
Operation Temperature	-10°C ~ 50 °C	
Humidity	%20 - %80	
Dimension(mm)	128 (D)x 58 (W)x 70 (H)	
Weight	238 gr	



- 1-Control Butons
- 2-Video
- 3 Power Led
- 4-DC12V
- 5-R5485
- 6-Iris Connector




GENERAL FEATURES

- High recognition rate
- High recognition speed
- Recognize and display license plate image registered in database
- Recognition result triggers I/O Relay or user-defined application

SPECIFICATION

Model No	71511
Video Format	NTSC / PAL
Video Compression	MPEG-4
Video Input	4 CH BNC
Audio Input	4 CH
Resolution	720 * 576 (PAL)
Video Frame Rate	100 fps (PAL) / 120 fps (NTSC)
Pre-record time	5 sn
Post-record time	60 sn
Record Mode	Manual / Programmable / Event based (Motion detection / Video Loss/Sensor)
Alarm Action	Recording,E-mail,Alarm output,audible warning, full screen view,increasing image quality
Video Monitoring	Full screen,Multi screen(1/4/9)
Motion Detection	Available
Privacy Mask	Available
Map	Support electronic map function which ensures display alarm position in map.
Watermark	Available
Network Protocol	10 / 100 BaseT Ethernet, TCP / IP, DHCP, DNS, SMTP
Remote Access	Web (Monitoring on www.3deyes.com by using user and password information)
Remote Management	Monitoring , playback , backup, software upgrade
Record Search	Date,time,event based
Backup	USB Stick / CD-RW / DVD-RW / External HDD
Digital Zoom	X2-X4-X16
PTZ	Speed Dome cameras can be controlled by mouse
Language	Turkish/English
Password	3 level password is available
Operating System	Windows XP, Windows 2000,Vista,Windows 7
Main Board Preferences	Intel Chipset
Monitor Board	Minimum 128 MB
Processor	1 card Pentium 4 2.0 GHZ /1 card Pentium 4 2.0 GHZ/3 and 4 cards Pentium 4 2.8 GHZ Dual

HOUSING



Model No		93003
Item	Housing(heater and fan)	
Dimension(mm)	151(D) X 145(W) X 390(H)	
Colour	Beige	

HOUSING BRACKET



Model No		94005
Item	Bracket	
Dimension(mm)	208(D) X 75(W) X 115(H)	
Load capacity	10kg	
Colour	Beige /Black	

VARIFOCAL AUTO IRIS LENS
IR CORRECTION



MODEL
92424



MODEL
92416

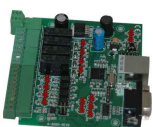
Model No	92424	92416
Imager Size	1/3"	
Focal Length:(mm)	5-50mm	5-60mm
Mount Type	C/CS	
Aperture Range	F 1.4	F1.6
Field(°)	76° - 8.8°	44,57° - 4,69°

IR SPOT



Model No		91001-PWR12
Wave Length	850nm (INFRARED)	
Led Type	IR Power Led	
Led Number	12	
Led Angle	25 °	
Brightness Control	Automatic	
Power	220 - 230 VAC	
Mesafe	40 - 60 Meter	
Material	Aluminium body, Polycarbonat protection glass	
Standart	IP65	
Dimension(mm)	195 X 135 X 80 mm	

NEXTBOX



Licence plates of the Resident vehicles are recorded and barriers open and closed automatically only to these vehicles

Offers added convenience to tenants and visitors, but also enhances the value and prestige of the property.

Entrance/ exit Control:All entrance/exit points are under control. Recorded vehicles automatically enter and exit. This increases traffic, eliminates cost of card etc. Residents do not need to open even windows to get barrier opened/closed.

All Vehicle Traffic recorded:It improves the security

Every Part Participate administrator program :System administrator, building managers, resident and operator can access the management program by using user name and password.

System Administrator:It is for service person to make certain settings such as defining input and output camera on this program.

Building Managers:It is for building managers to manage system and alarms

Operator It is for Operator guarding gate.

Recording Vehicle information: Plate no, owner name, owner address etc

Report:Report of the vehicles traffic exiting and entering premises

Defining list:white list, prohibited list, black list etc

Search:Based on licence plate, date, vehicle owner etc

Report:Report of the vehicles traffic exiting and entering premises

Monitoring :Licence plate information and CCTV surveillance is managed on one monitor.

So user switch between CCTV surveillance program and licence plate recognition program easily

Sending E-mail, Alarm sound:Sending E-mail, barrier control and sounding alarm is automatically done according to resident administrator settings

Every Part Participate administrator program :System administrator, building managers, resident and operator

-  Main Menu
-  Search Vehicles
-  Modify Users
-  Search Users
-  Modify Operator
-  Prohibited Vehicle
-  Traffic Report
-  Exit

Add New Vehicle

Number Plate:

Vehicle User:

Brand:

Model:

Color:

Is visitor vehicle? No

Vehicles Belong to user

#ID	Plate	Person	Is Visitor?	Processes
#				<input type="button" value="Modify"/> <input type="button" value="Del"/> <input type="button" value="Prohibit"/>

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Add New Vehicle

Number Plate:

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Brand:

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Is visitor vehicle? No

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#				<input type="button" value="Modify"/> <input type="button" value="Del"/> <input type="button" value="Prohibit"/>

- Main Menu
- Modify System
- Modify Camera
- Modify Gate
- Define Parking
- Define Location
- Site
- Block
- No
- Site Setting
- Super Users
- Database Control
- Exit

Add System

System Name :	<input type="text"/>
System Password :	<input type="text"/>
Machine Name/Path/No:	<input type="text"/>
<input type="button" value="Add"/>	

Existent System

#ID	System Name	Password	Machine	Procceses
				<input type="button" value="Modify"/> <input type="button" value="Del"/>

System Administrator: It is for service person to make certain setting such as defining input and output camera

PRO version carry residential solution to a higher level

Licences Plates could be grouped:Plate could be grouped.Setting rules on plates groups would allow acces to only certain parking areas at certain hours

It is ideal for organisation like educational organatisations,Hospitals,airports etc So different parking are allocated for various groups like students,teachers,doctors,officers.

Vehicle owner photo:Vehicle and vehicle owner photo is recorded in database

Prohibited List-Negative List:List with reason of follow is recorded. When related vehicle is at transition point warning is seen on monitor.

Advanced report: Duration of vehicle at parking zone etc reported.

Announcement Panel: Resident Administrator can send massages

Center Management:Information on Various gates (location) is gathered at center point and managed.

- Main Menu
- Search Vehicle
- Vehicle Type
- Modify Users
- Search Users
- Modify Operator
- Follow-Up List
- Prohibited Vehicle
- Create Rules
- Query Report
- Send Messages
- Modify Permission
- Parking Permission
- Exit

Search Vehicles

Plate:	<input type="text"/>
Name:	<input type="text"/>
Brand:	<input type="text"/>
Model:	<input type="text"/>
Color:	<input type="text"/>
	: <input type="text" value="Select"/>
	: <input type="text" value="Select"/>
	: <input type="text" value="Select"/>
Search By Entry / Exit Position:	<input type="text" value="Please Select"/> Motion: <input type="text" value="Select"/>
Display Only This Type:	<input type="text" value="Select"/>
Display Only Temporary Users:	<input type="checkbox"/>
Search by hour criteria:	<input type="text"/> ** (Today)
Search by entry /exit duration:	<input type="text"/> ** (Minute)
<input type="button" value="Search"/> <input type="button" value="Clear"/>	

**Entry / Exit Position information should be entered!

#ID	Plate	Brand/Model/Color	Name	--	Status	Procceses		
#						<input type="button" value="Modify"/>	<input type="button" value="Del"/>	<input type="button" value="Prohibit"/>

Founded Vehicles:

It is for organization having parking service such as airport, ports, parking etc.

Beside licence plate recognition and automatic entrance /exit ,it provides Car park auditing and ticketing management

The subscription is linked to a vehicle: This makes the exchange of cards impossible, thereby reducing fraud. A customer can have several cars in his LPR account.

New subscriptions are easily issued in seconds and can be billed afterwards. Customer loyalty programs (special rates etc) is possible

Every Part Participate administrator program : System administrator, subscriber, parking Manager ,operator can access the management program by using user name and password administrator setting

System Administrator: It is for service person to make certain settings such as defining input and output camera on this program.

Parking Manager: It is for parking Administrator to manage vehicles and alarms.

Operator : It is for Operator guarding gate.

Recording Vehicle information: Plate no, owner name, owner address , discount rates, payment status etc . Entering blacklisted vehicles.

Report: Several reports of vehicle activity at the parking site can be generated for a given period , Revenue report

Search: The stored video and license plate information enables the operator to quickly find video footage from certain license plates, time/date or simply browse through the data.

Monitoring : License plate information and CCTV surveillance is managed on one monitor. So user switch between CCTV surveillance program and license plate recognition program easily

Sending E-mail, Alarm sound: Sending E-mail , barrier control and sounding alarm is automatically done

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Advanced report: Duration of vehicle at parking zone etc reported.

Announcement Panel: Resident Administrator can send massages

Center Management:Information on Various gates (location) is gathered at center point and managed.

- Main Menu
- Search Vehicle
- Modify Customer
- Search Customer
- Modify Subscriber
- Price Entrance
- Wiev Payment
- Modify Operator
- Traffic Report
- Management Report
- Profit Summary
- Exit

Price Setting	
Start Duration(Minute) :	<input type="text"/>
Ending Duration (Minute) :	<input type="text"/>
Pricing :	<input type="text"/>
Multiply :	<input type="text"/>
Pricing at this limit :	Hayır ▾
Time Unit :	Dakika ▾
Add	

#ID	Start	End	Price(TL)	Unit	Multiply	System		Modify	Del
26	0	30	0 TL	Dakika	0	!		Modify	Del
1	30	60	0.03 TL	Dakika	1	✓		Modify	Del
2	60	120	7 TL	Dakika	0	!		Modify	Del
3	120	280	10 TL	Dakika	0	!		Modify	Del
25	280	3000	3.5 TL	Dakika	60	✓		Modify	Del
27	280	340	0.1 TL	Dakika	1	✓		Modify	Del
23	3000	115256000	10 TL	Gün	1	✓		Modify	Del



Main Menu



Search Vehicle



Modify Customer



Search Customer



Modify Subscriber



Price Entrance



Wiev Payment



Modify Operator



Traffic Report



Management Report



Profit Summary



Exit

Profit Enquiry Screen

Search Record

Report Date Between :

Search

Clear

Total Payment :

License Plate Recognition systems integrated into intelligent transportation systems to automate motorway toll collection, analyse traffic, improve law enforcement, prevent the road and other types of serious crime.

The project relies on automatic number plate recognition (ANPR) cameras to pinpoint the precise time and location of all vehicles on the road.

- Flexible and automatic **highway toll collection** systems
- **Analysis** of city traffic during peak periods
- Automation of **weigh-in-motion** systems
- Enhanced **vehicle theft prevention**
- Effective **law enforcement**
- Effective **enforcement of traffic rules**
- Highest efficiency for **border control systems**, etc.

CCTV cameras across the country converted to read ANPR data, capturing people's movements in cars on motorways, main roads, airports and town centres to use for counter-terrorism and everyday criminal investigations.





LARGEST CCTV SECURITY AND LICENCE PLATE RECOGNITION SYSTEM IN TURKEY

PCC Elektronik established largest security and license plate recognition system on E6 motorway for Turkish security forces.

The project has been delivered to the EGM on 22 November 2010. All software and equipment for this project was developed and manufactured by the PCC. The expert reported that success rate is 95% during Project acceptance test.

This system will be integrating with other highways..

- » Ankara Istanbul E6 Highway- İSTANBUL
- » Soyak Manolya Resident - ISTANBUL
- » Ağaoğlu Mytown - ISTANBUL
- » Ağaoğlu Almandhill Acibadem - ISTANBUL
- » Selçuk University - KONYA
- » Emir Sultan Parking- BURSA
- » Yaşamkent Sitesi - ANKARA
- » Gendarmerie Forces - ANKARA
- » Gendarmerie Forces - BATMAN
- » Selçuklu Beyaz Zambak Resident - KONYA