

TimeTec Smart License Plate Recognition System Securely Automate Authorized Vehicle Access



Camera Software Installation Guide



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1 • Camera Specifications

Camera Type		IP Camera
System		Embedded RTOS design
		3.0 Mega Pixels
	Effective Pixels	Main stream:2048*1536;1920*1080
		Sub stream:704*576
	Eramos Patos	PAL:20fps(2048*1536), 25fps(1920*1080)
	i fairles nates	NTSC:20fps(2048*1536), 30fps(1920*1080)
Camera	Image Concer	1/3 Aptina CMOS Sensor
	image sensor	3.5 Megapixel resolution (2304H*1536V)
	DCD	Dual core 32-bit DSP
	DSP	(A5588)
		Color 0.01Lux/F1.2
	Min. Illumination	B/W 0.001 Lux/F1.2
	Adjust Parameters	DWDR,BLC,DNR,AE,AGC,D&N,Mirror,Flip,etc.
	Compression	H.264 Main profile
	Stream	support dual stream,AVI format
Video	Bit Rate	support 0.1M ~8Mpbs bit rate adjustable
	Frame Rates	support 1~30fps adjust
Audio	Input and output	1ch input(micphone), 1ch output(Speaker&micphone) Optional
Audio	Compression	G.711 compression,support two-way audio intercom,support audio & video synchronized output
Alarm	Types	Motion Detection, Video Blind , Video Loss
	WEB Browser	Support WEB remote config(IE, Safari, Google Chrome, Firefox etc.)
	Smart Phone	mobile remote Monitoring (iPhone,Android,Windows Mobile,BlackBerry,Symbian)
	CMS Software	Uniform CMS Software(multiple devices management system)
Notwork	Cloud P2P	www.p2pipc.net,MYEYE platform and other program,Offer SDK
INCLIVUIK	Network	1 * RJ45,10/100M,Support RTSP/FTP/PPPOE/DHCP/DDNS/NTP/UPnP/SMTP
	ONVIF	Support (ONVIF 2.0)
	POE	Support(optional)
	WIFI	N/A
	Languago	English, Finnish, French, German, Greek,Italian, Japanese, Polish, Portuguese, Russian, Spanish,
	Language	Thai, Chinese & Turkish
	IR Cut Filter	Set of double light switch IR-CUT filter
	Lens Mount	Varicoal Lens 9-22mm (3MP)
	Infrared Luminary	4 pieces Array White light LED
General	Infrared Wavelength	More than 30 M
	Waterproof Criterion	IP 66
	I/O Connector	1*DC Connector ,1* RJ45(10/100M Network)
	Supplied Voltage	DC12V/PoE(802.3af/820.3at)
	Power Consumption	IR On: 600mA max., IR Off: Less than 200mA
	Working Enviroment	-10°C~+60°C, 10%~90% (Built in Heater being optional added for enviroment lower than -20°)



2 • Configuring IP Camera To Use with TimeTec LPR System

Before the IP camera can be used with TimeTec LPR, you must connect it to the same network with the computer that has been installed with TimeTec LPR. Every IP camera has been integrated with a web-based software to allow admin to access via Internet Explorer 11 and below to do configuration and to view footages.

The default login credentials and network settings are as below:

IP address: 192.168.1.10 Subnet mask: 255.255.255.0 Gateway: 192.168.1.1 Login username: admin password: [leave it blank]

To secure the IP camera from unauthorized access, make sure you change the login credentials and network settings after your first time login.



Connect IP camera to a power source to power up the device and plug in a network cable RJ45 to link it to a network.

Step•2

Open Internet Explorer and insert the IP camera's default IP address into the address bar to connect it to the camera. Insert the default login credentials to access into the IP camera.

Note: The system will alert you to install ActiveX plugin before you can login. Please allow the installation to proceed. If you have already installed ActiveX plugin, you will not receive this system alert.





Define the preview video streaming quality as Main Stream when this window pops up.



Step•4

From the main menu, Click DeviceCfg at the top navigation bar to see the details of configuration for Record, Alarm, System, Advanced, and Info.





Select the System icon to view the configuration details.



Step•6

Select Network to start configuring your IP camera's network settings.





Change the IP Camera's IP address and Port to suit your network environment. Save configurations and leave the web browser. Now the IP camera is ready to be used in the TimeTec LPR system.



Device config		8
Setting -> Syste	em -> Network	
Net Card	Wire Netcard 💌 📃 DHCP Enable	
IP Address	10 . 2 . 72 . 77	
Subnet Mask	255 . 255 . 0 . 0	
Gateway	10 . 2 . 0 . 1	
Use DNS server	address below	
Primary DMS	0.0.0.0	
Secondary DNS	0.0.0.0	
Media Port	34567 HTTP Port 80	
MAC	00 : 3e : 0b : 00 : 37 : 97	
🔲 High Speed	Download	
Transfer	Fluency Preferre	
	Refresh OK Cancel	



3 • Installation of TimeTec LPR System

Install the TimeTec LPR system into a Windows PC (recommended Windows 10) with the following technical specifications:

Name	Description
CPU	Core i5 Intel, minimum 3.0 GHz
RAM	Minimum 4 GB
Network	Ethernet 100Mbit
Graphics Adapter	AGP or PCI-Express, minimum 1024 x 768, 16-bit colors
Hard Disk Type	E-IDE, PATA, SATA, SCSI, SAS (7200 RPM or faster)
Hard Disk Space	Minimum 10 GB free hard disk space available, excluding space needed for recordings
Operating System	 Microsoft[®] Windows[®] 10 Professional (64-bit) Microsoft[®] Windows[®] 8.1 Enterprise (64-bit) Microsoft[®] Windows[®] 8.1 Pro (64-bit) Microsoft[®] Windows[®] 7 Professional (64-bit)



Run the installer to install TimeTec LPR. Follow the onscreen instructions to complete the installation.



Step•2

For a first time setup, you must connect TimeTec LPR system to the database.

	tim		<	
	SERVER COI	NFIGURATION		
	Server Host IP Address	127.0 .0 .1		
	Server Database Port	5432		
	Server Database	timeteclprdb		
	Server Username	postgres		
	Server Password			
		Save		



Run the TimeTec LPR and login by using the default login credentials. It is recommended to change the login credentials after you have login.

Username: Admin Password: 123456





From the TimeTec LPR main screen, go into Settings.

	1.0						Resident View Autor View Resident Access Record Asitor Access Record Just Managament Listings	
						0		
	Res	dent IN				Resident OUT		
License Plate Checked-In	Detected -						27:49 PM, Mon 10 J	S
CAR TYPE CAR	NAME ashirah yabya	ID NO. 0000000099	VEHICLE PLATE NO. WV8182	VISIT UNIT H-1-2	ENTRY TIME 4:35:39 PM	VISIT PURPOSE	USER TYPE Resident	

Step•5

Fill up the LPR App Key obtained from i-Neighbour



Fill up the camera's IP address, Port, Username and Password.

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_	Settings				E +1		
	Camera i Neighbour Oth	her					
	Camera Front	Resident In	Resident Out	Visitor In	VisitorDat		
	Carrera IP Address	172.23.4.55	172.23.4.53	0.0.0.0	0.0.0		
	Camera Port	8055	8053				
	Camera Authentication Username	ədmin	advin				
	Camera Authentication Password	••••					
		UPR Calibration	LPR Celibration	LPR Calibration	UPR Calibration		
	Camera Back	Resident In	Resident Out	Visitor In	VistorDat		
	Carriera IP Address	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0		
	Camera Port						
License Plate Detc	Camera Authentication Username					ø	
Checked-In	Camera Authentication Password	10000	103.0.0	100.0.11	100000	on 10 Jul 2017	
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CAR athir	ah yahya 0000000099 y	V/8182	H-1-2 4:	15:39 PM	Resident		

Step•7

Select the COM Port for Barrier Gate Control

Anne Pale Anny Mare	Settings	出 41	_
	Camera i-Neighbour Other		
	Company Name	TimeTec Cloud Sdn. Bhd.	
	Time Execution For Request Session Key	240 🔮 minutes	
	Time Execution For Request Resident List	60 C minutes	
	Time Delay For LPR Process	60 Minute	
	LPR Recognition Mode	Normal O Pair Front and Back Result	
	Enabled Barrier Gate Control	COM Port	
License Plate Det	Serial Port Relay (Resident IV) Relay 1 •	Senal Port Relay (Visitor IN) Relay 2 •	0
Checked-In	Serial Port Belay (Resident OUT) Relay 5 •	Senal Port Belay (Visitor OUT) 8elay 4 •	on 10 Jul 2017
CARTYPE	N		
CAR	ethirah yahya 0000000099 WV8182 H-1-2	4:35:39 PM Resident	



Save & restart TimeTec LPR

Step•9

After the restart, you will be able to capture and display the resident's and visitor's car plate number list. Then you can proceed to test the LPR with your car.

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