

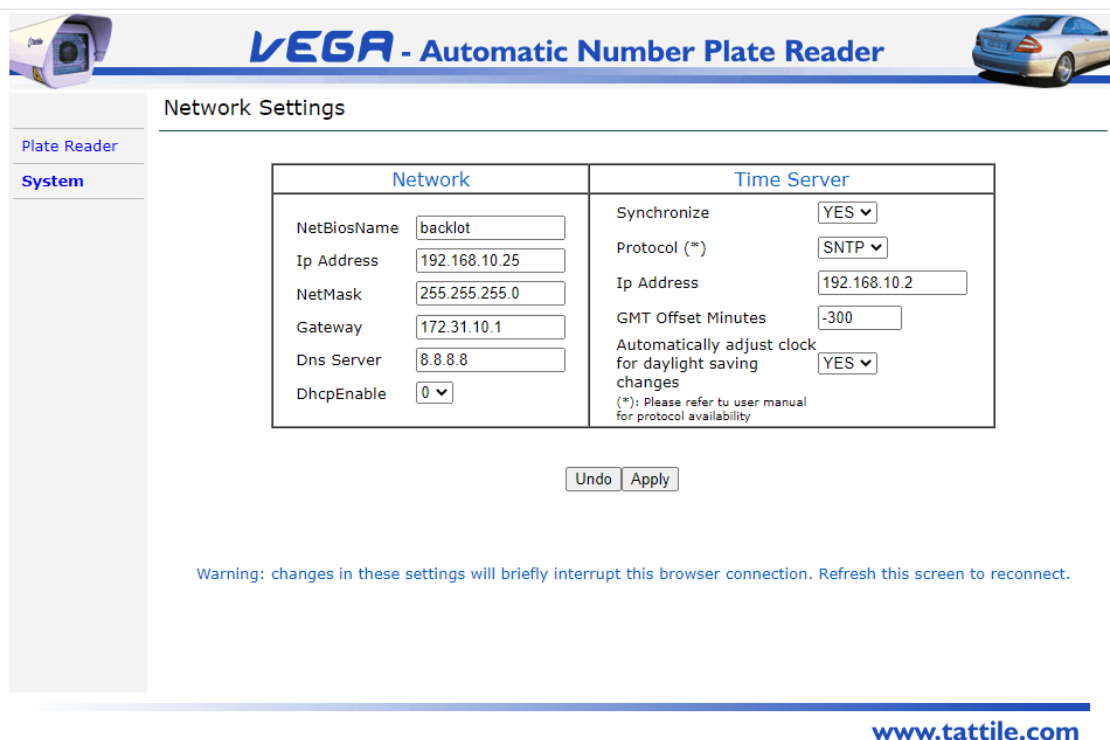
# Static LPR Checklist - Tattile

Required fields are:

- IP Address
- NetMask
- Gateway
- DNS Server (8.8.8.8 can be used)

Time Server (use your own or one of these)

- 0.us.pool.ntp.org
- 1.us.pool.ntp.org
- 2.us.pool.ntp.org
- 3.us.pool.ntp.org



The screenshot shows the 'VEGA - Automatic Number Plate Reader' web interface. On the left is a sidebar with 'Plate Reader' and 'System' options. The main area is titled 'Network Settings' and contains two tables: 'Network' and 'Time Server'. The 'Network' table has fields for NetBiosName, Ip Address, NetMask, Gateway, Dns Server, and DhcpEnable. The 'Time Server' table has fields for Synchronize, Protocol (\*), Ip Address, GMT Offset Minutes, and a checkbox for 'Automatically adjust clock for daylight saving changes'. Below the tables are 'Undo' and 'Apply' buttons. A warning message at the bottom states: 'Warning: changes in these settings will briefly interrupt this browser connection. Refresh this screen to reconnect.' The website 'www.tattile.com' is visible in the bottom right corner.

Network		Time Server	
NetBiosName	backlot	Synchronize	YES ▾
Ip Address	192.168.10.25	Protocol (*)	SNTP ▾
NetMask	255.255.255.0	Ip Address	192.168.10.2
Gateway	172.31.10.1	GMT Offset Minutes	-300
Dns Server	8.8.8.8	Automatically adjust clock for daylight saving changes	YES ▾
DhcpEnable	0 ▾	(*) : Please refer to user manual for protocol availability	

Undo Apply

Warning: changes in these settings will briefly interrupt this browser connection. Refresh this screen to reconnect.

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## System - Time Sync

*Changes on this panel will reboot the device.*

The screenshot shows a configuration interface with a world map at the top. Below the map are dropdown menus for 'Time zone' (set to 'America/Vancouver') and 'Country' (set to 'Canada'). A green box highlights two instructions: '1. set proper time zone and apply changes' and '2. set time / date'. Red arrows point from these instructions to the 'Time zone' dropdown, the 'Country' dropdown, and the 'Set Local Date Time' section. The 'Advanced info' section contains a table with headers: '210 Number of sources = 1', 'MS\_Name/IP\_address', 'Stratum', 'Poll', 'Reach', 'LastRx', and 'Last sample'. The table has one row of data: '0', '7', '0', '10y', '+0ns[ +0ns] +/- 0ns'. Below the table are 'Reset' and 'Apply' buttons. The 'Set Local Date Time' section has input fields for 'DD/MM/YYYY' (20 / 05 / 1970) and 'HH:MM:SS' (23 : 04 : 50).

Time zone: America/Vancouver  
Country: Canada

Advanced info

210 Number of sources = 1  
MS\_Name/IP\_address      Stratum   Poll   Reach   LastRx   Last sample  
-----  
0      7      0      10y      +0ns[ +0ns] +/- 0ns

Reset   Apply

Set Local Date Time

DD/MM/YYYY: 20 / 05 / 1970  
HH:MM:SS: 23 : 04 : 50

# Plate Reader

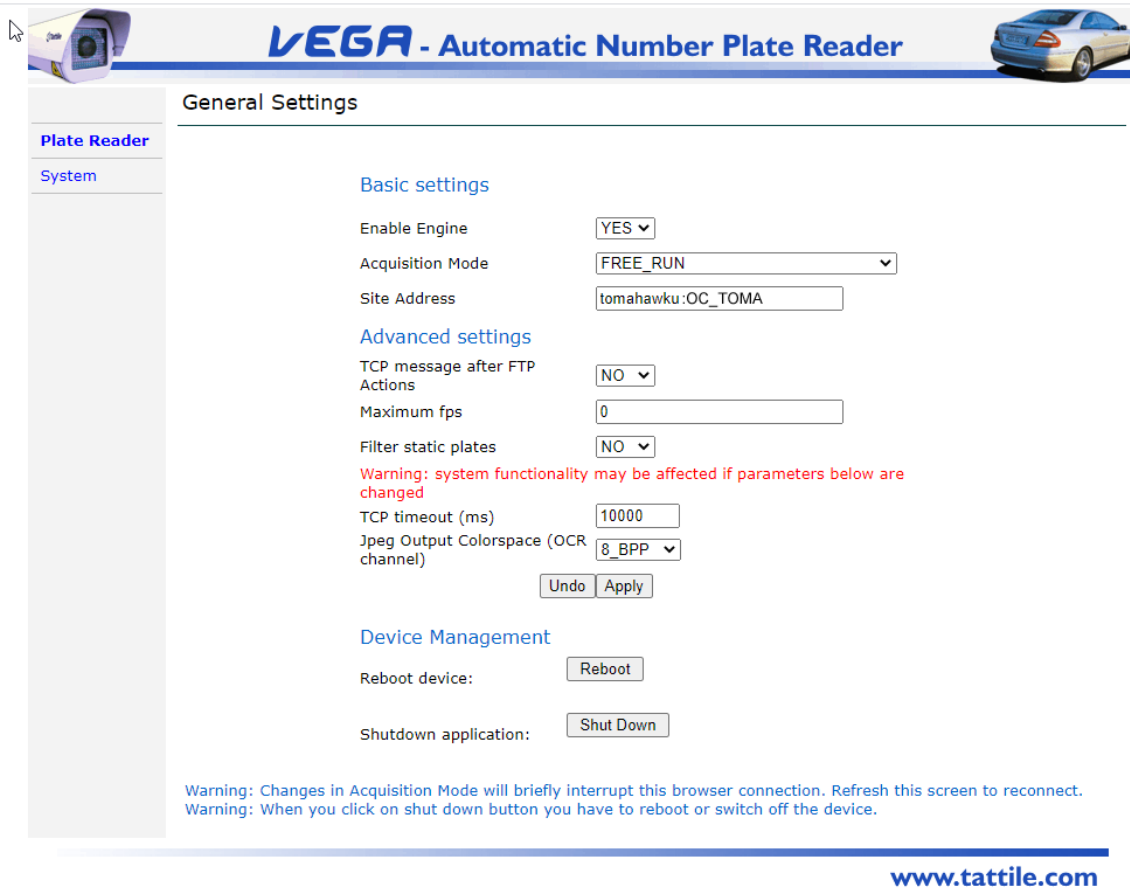
## General Settings

Configure the site address which should be **client\_subdomain : CLIENT\_ID** (no spaces)

Your subdomain is the first part of your OPS-COM.com web portal address.

As an example, the demo Tomahawk University is located on the web at **tomahawku.ops-com.com** and the entry here would be **tomahawku:OC\_TOMA**

*If you are unsure of the client\_subdomain or CLIENT\_ID please contact [OPS-COM support](#)*



The image shows a web-based configuration interface for a VEGA Automatic Number Plate Reader. The interface has a header with the product name and a sidebar with navigation options. The main content area is titled 'General Settings' and contains sections for 'Basic settings', 'Advanced settings', and 'Device Management'. The 'Basic settings' section includes fields for 'Enable Engine' (YES), 'Acquisition Mode' (FREE\_RUN), and 'Site Address' (tomahawku:OC\_TOMA). The 'Advanced settings' section includes fields for 'TCP message after FTP Actions' (NO), 'Maximum fps' (0), 'Filter static plates' (NO), 'TCP timeout (ms)' (10000), and 'Jpeg Output Colospace (OCR channel)' (8\_BPP). The 'Device Management' section includes buttons for 'Reboot' and 'Shut Down'. A warning message at the bottom states: 'Warning: Changes in Acquisition Mode will briefly interrupt this browser connection. Refresh this screen to reconnect. Warning: When you click on shut down button you have to reboot or switch off the device.'

VEGA - Automatic Number Plate Reader

General Settings

Plate Reader  
System

Basic settings

Enable Engine YES ▾

Acquisition Mode FREE\_RUN ▾

Site Address tomahawku:OC\_TOMA

Advanced settings

TCP message after FTP Actions NO ▾

Maximum fps 0

Filter static plates NO ▾

Warning: system functionality may be affected if parameters below are changed

TCP timeout (ms) 10000

Jpeg Output Colospace (OCR channel) 8\_BPP ▾

Undo Apply

Device Management

Reboot device: Reboot

Shutdown application: Shut Down

Warning: Changes in Acquisition Mode will briefly interrupt this browser connection. Refresh this screen to reconnect.  
Warning: When you click on shut down button you have to reboot or switch off the device.

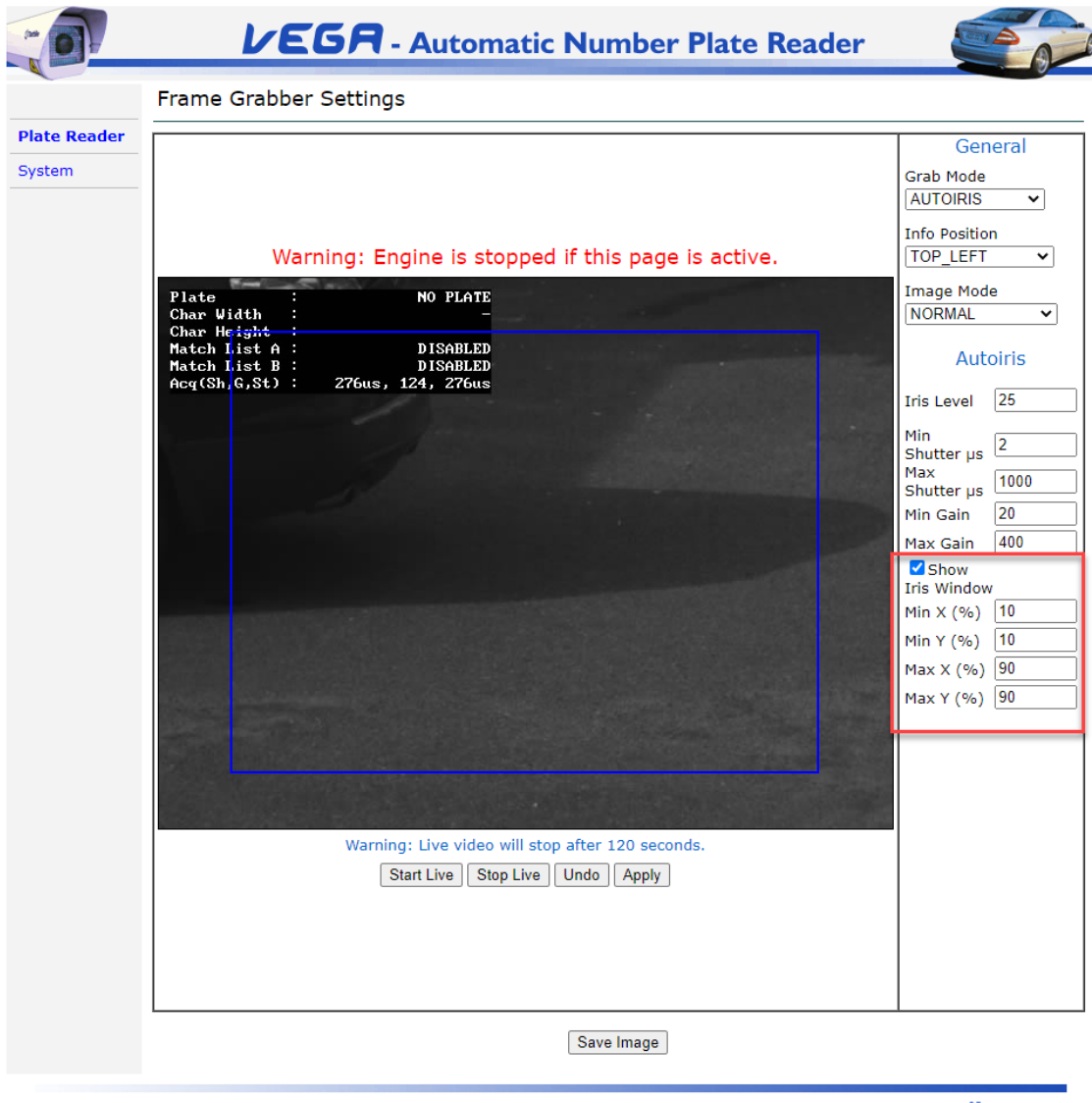
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# Frame Grabber Settings

Changes on this panel will reboot the device.

## Iris Bounding Region

- For faster plate reads you can adjust the capture area
- Typically factory defaults to full frame
- For PL8RDR, it is necessary to create padding around the capture area (*minimum 30 pixels*)
  - In this example we have modified the factory defaults by 10% all around
- Click on **Show Iris Window** to see the bounding box

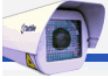



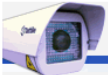
## Camera Auto Iris (*advanced*)

Usually unnecessary to make changes in this advanced area.

As directed by OPS-COM support staff adjustments may be made to specific camera properties.

- iris
- gain
- shutter speed



## Frame Grabber Settings

Plate Reader

System

Warning: Engine is stopped if this page is active.

```

Plate      : NO PLATE
Char Width : -
Char Height: -
Match List A : DISABLED
Match List B : DISABLED
Acq(Sh,G,St) : 1000us, 400, 1000us
          
```

Warning: Live video will stop after 120 seconds.

Start Live

Stop Live

Undo

Apply

General

Grab Mode

AUTOIRIS

Info Position

TOP\_LEFT

Image Mode

NORMAL

Autoiris

Iris Level

25

Min Shutter  $\mu$ s

2

Max Shutter  $\mu$ s

1000

Min Gain

20

Max Gain

400

☐ Show

Iris Window

Min X (%)

0

Min Y (%)

0

Max X (%)

100

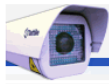
Max Y (%)

100

Save Image

# Events Actions

- There are 2 TCP Message options:
  - Ocr Read
  - Ocr Not Read (vanity plates)



## Events/Actions Settings

### Plate Reader

#### System

Actions / Events	Send Image FTP	Save DB FTP	GM Alarm	Pulse Out	Com485 Message	TCP Message	Send Image FTP 2	Save DB FTP 2	TCP Message 2	SD Saving	Save DB SD
Ocr Read											
Ocr Not Read											
Ocr No Plate											
Match On List A											
No Match On List A											
Match On List B											
No Match On List B											
Start Trigger											
Stop Trigger											
System Diagnostic											

### Shared configuration

JPEG header configuration	<a href="#">Config</a>
DB fields configuration	<a href="#">Config</a>
Event/Action monitor	<a href="#">Config</a>

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## Ocr Read Events

- **READ** (*key fields*)
  - Enabled = Yes
  - Server IP = 159.203.51.51
  - Server Port = 32000
  - Message =  
%PLATE\_STRING%IMAGE\_BW%IMAGE\_COL%PLATE\_MIN\_X%PLATE\_MIN\_Y%PLATE\_MAX\_X\_X%PLATE\_MAX\_Y





Plate Reader

System

### TCP Message on Ocr Read

Enable

YES

Message format

STANDARD

Message

%PLATE\_STRING%IMAGE\_BW%PLATE\_MIN\_X%PLATE\_MIN\_Y%PLATE

HELP

Image Encryption

NO

Jpeg Quality

80

Crop Image(\*)

800x600

Context Jpeg Quality

75

Resize Ctx Image

DISABLED

Ctx Plot Box

NO

Text Position

TOP\_LEFT

Text Dimension

1X

Text Options

NOT\_OVER\_PLATE

Text Value

%PLATE%DATE%TIME%SPEED

HELP

Server IP

159.203.51.51

Server Port

32000

Reuse Connection

NO

Conditional execution

ALWAYS

Buffering on SD

NO

Reset


Apply

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## Ocr No Read Events

- **NO\_READ** (*key fields*)
  - Enabled = Yes
  - Server IP = 159.203.51.51
  - Server Port = 32000
  - Message =  
%PLATE\_NOT\_READ%IMAGE\_BW%IMAGE\_COL%PLATE\_MIN\_X%PLATE\_MIN\_Y%PLATE\_MAX\_X%PLATE\_MAX\_Y



# VEGA - Automatic Number Plate Reader




Plate Reader

System

## TCP Message on Ocr Not Read

Enable

YES

Message format

STANDARD

Message

%PLATE\_NOT\_READ%IMAGE\_BW%PLATE\_MIN\_X%PLATE\_MIN\_Y%PL

HELP

Image

NO

Encryption

75

Jpeg Quality

800x600

Crop Image(\*)

75

Context Jpeg

DISABLED

Quality

NO

Resize Ctx Image

TOP\_LEFT

Ctx Plot Box

1X

Text Position

NONE

Text Dimension

%PLATE\_NOT\_READ%DATE%TIME

HELP

Text Options

159.203.51.51

Text Value

32000

Server IP

NO

Server Port

ALWAYS

Reuse

NO

Connection

NO

Conditional execution

NO

Buffering on SD

NO

Reset

Apply



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## JPEG Image Header

Select to edit the configuration by selecting the Config button



## VEGA - Automatic Number Plate Reader

Plate Reader

System

Events/Actions Settings

Actions / Events	Send Image FTP	Save DB FTP	GM Alarm	Pulse Out	Com485 Message	TCP Message	Send Image FTP 2	Save DB FTP 2	TCP Message 2	SD Saving	Save DB SD
Ocr Read											
Ocr Not Read											
Ocr No Plate											
Match On List A											
No Match On List A											
Match On List B											
No Match On List B											
Start Trigger											
Stop Trigger											
System Diagnostic											

Shared configuration

JPEG header configuration

Config

DB fields configuration



Config

Event/Action monitor

Config

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Add %SITE\_ADDRESS to the field **Other custom TAGS**

## VEGA - Automatic Number Plate Reader

Plate Reader

System

Jpeg Image Header Configuration

Header Type:

TATTILE

Added by default:

%FIRMWARE\_VER%SN%DATE%TIME%IMAGE\_SIGN

Other custom TAGS:

%SITE\_ADDRESS%

FIRMWARE\_VER%NETBIOSNAME%SN%BOARD\_FPGA\_VER%BOARD\_CODE%BOARD\_REV%BOOT\_VER%DATE%TIME%PLATE%NREAD%OCRSCORE%JPEG\_QUALITY%GAIN%SHUTTER%STROBO%GAIN\_RED%GAIN\_BLUE%AI\_LEVEL%AI\_INFO%SPEED%CLASS\_STRING%VEHICLE\_TYPE%DIRECTION%OCR\_CFG%PLATE\_MIN\_X%PLATE\_MIN\_Y%PLATE\_MAX\_X%PLATE\_MAX\_Y%

Default TAGS:

%FIRMWARE\_VER%NETBIOSNAME%DEVICE\_SN%SN%BOARD\_FPGA\_VER%BOARD\_CODE%BOARD\_REV%BOOT\_VER%DATE%TIME%PLATE%NREAD%OCRSCORE%JPEG\_QUALITY%GAIN%SHUTTER%STROBO%AI\_LEVEL%AI\_INFO%SPEED%CLASS\_STRING%VEHICLE\_TYPE%DIRECTION%OCR\_CFG%PLATE\_MIN\_X%PLATE\_MIN\_Y%PLATE\_MAX\_X%PLATE\_MAX\_Y%IMAGEID%PLATE\_DESC\_A%PLATE\_DESC\_B%

Reset

Apply

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