

OperationsCommander - <https://opscom.wiki>

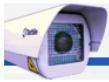
## Static LPR Checklist - Tattile

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



- Plate Reader
- System**

## Network Settings

Network		Time Server	
NetBiosName	<input type="text" value="backlot"/>	Synchronize	<input type="button" value="YES"/>
Ip Address	<input type="text" value="192.168.10.25"/>	Protocol (*)	<input type="button" value="SNTP"/>
NetMask	<input type="text" value="255.255.255.0"/>	Ip Address	<input type="text" value="192.168.10.2"/>
Gateway	<input type="text" value="172.31.10.1"/>	GMT Offset Minutes	<input type="text" value="-300"/>
Dns Server	<input type="text" value="8.8.8.8"/>	Automatically adjust clock for daylight saving changes	<input type="button" value="YES"/>
DhcpEnable	<input type="button" value="0"/>	<small>(*) : Please refer to user manual for protocol availability</small>	

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

## System - Time Sync

Changes on this panel will reboot the device.

The screenshot shows the 'Time Sync' configuration panel. At the top is a world map with a red pin over North America. Below the map are two dropdown menus: 'Time zone' set to 'America/Vancouver' and 'Country' set to 'Canada'. Below these is an 'Advanced info' section containing a table with columns: '210 Number of sources = 1', 'MS Name/IP address', 'Stratum', 'Poll', 'Reach', 'LastRx', and 'Last sample'. The table shows a single entry with values: '0', '7', '0', '10y', '+0ns[ +0ns] +/-', and '0ns'. Below the table are 'Reset' and 'Apply' buttons. At the bottom is the 'Set Local Date Time' section with input fields for DD/MM/YYYY (20 / 05 / 1970) and HH:MM:SS (23 : 04 : 50). A green box with the text '1. set proper time zone and apply changes' and '2. set time / date' has two red arrows pointing to the 'Time zone' dropdown and the 'Set Local Date Time' fields respectively.

# 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 OPSCOM.com web portal address.

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

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

**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 Colorspace (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.

www.tattile.com

## 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

VEGA - Automatic Number Plate Reader

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) : 276us, 124, 276us
```

Warning: Live video will stop after 120 seconds.

Start Live Stop Live Undo Apply

Save Image

General

Grab Mode: AUTOIRIS

Info Position: TOP\_LEFT

Image Mode: NORMAL

Autoiris

Iris Level: 25

Min Shutter µs: 2

Max Shutter µs: 1000

Min Gain: 20

Max Gain: 400

Show Iris Window

Min X (%): 10

Min Y (%): 10

Max X (%): 90

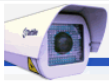
Max Y (%): 90

## Camera Auto Iris (*advanced*)

Usually unnecessary to make changes in this advanced area.

As directed by OPSCOM 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

Save Image

**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

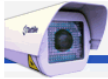
Min Y (%): 0

Max X (%): 100

Max Y (%): 100

## 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											

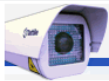
Shared configuration	
JPEG header configuration	<input type="button" value="Config"/>
DB fields configuration	<input type="button" value="Config"/>
Event/Action monitor	<input type="button" value="Config"/>

## 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%PLATE\_MAX\_Y



TCP Message on Ocr Read

Enable	YES
Message format	STANDARD
Message	%PLATE_STRING%IMAGE_BW%PLATE_MIN_X%PLATE_MIN_Y%PLATE <a href="#">HELP</a>
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 <a href="#">HELP</a>
Server IP	159.203.51.51
Server Port	32000
Reuse	
Connection	NO
Conditional execution	ALWAYS
Buffering on SD	NO

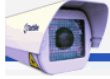
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## Ocr No Read Events

- **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



- Plate Reader
- System

## TCP Message on Ocr Not Read

Enable	<input type="checkbox"/> YES
Message format	STANDARD
Message	%PLATE_NOT_READ%IMAGE_BW%PLATE_MIN_X%PLATE_MIN_Y%PL <a href="#">HELP</a>
Image	
Encryption	NO
Jpeg Quality	75
Crop Image(*)	800x600
Context Jpeg Quality	75
Resize Ctx Image	DISABLED
Ctx Plot Box	NO
Text Position	TOP_LEFT
Text Dimension	1X
Text Options	NONE
Text Value	%PLATE_NOT_READ%DATE%TIME <a href="#">HELP</a>
Server IP	159.203.51.51
Server Port	32000
Reuse Connection	NO
Conditional execution	ALWAYS
Buffering on SD	NO

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## JPEG Image Header

Select to edit the configuration by selecting the Config button



## Events/Actions Settings

Plate Reader

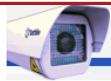
System

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	Config
DB fields configuration	Config
Event/Action monitor	Config

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



## Jpeg Image Header Configuration

Plate Reader

System

Header Type:

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%;
I_LEVEL%;AI_INFO%;SPEED%;CLASS_STRING%;VEHICLE_TYPE%;DIRECTION%;
OCR_CFG%;PLATE_MIN_X%;PLATE_MIN_Y%;PLATE_MAX_X%;PLATE_MAX_Y%;

```

[HELP](#)

Default TAGS:

```

%FIRMWARE_VER%;NETBIOSNAME%;DEVICE_SN%;SN%;BOARD_FPGA_VER%;BOA
RD_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%;P
LATE_MIN_Y%;PLATE_MAX_X%;PLATE_MAX_Y%;IMAGEID%;PLATE_DESC_A%;

```

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Revision #3

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