ANPR Setup Checklist -Tattile

Initial Setup

Wired	Wireless	Port

192.168.0.212555.255.0.0	SSID: Anpr-#####19 2.168.150.1	1080 or 8081

Initial Access to the Camera

https://www.youtube.com/embed/rZHMVAMb7yk?wmode=opaque

Yet another setup trick is to login to the device initially using WIFI.

The device will need to be plugged into a network hub that is connected to a DHCP server

- change the wired IP to Obtain Automatically
  - later in the process we do this anyways
- device will reboot
- reconnect using WIFI and record the wired IP that was assigned to the device
  - generally a device will be assigned the same IP each time it boots
  - you should now be able to connect to the listed wired IP
  - disconnect your wifi connection

This is useful since often your computer will become confused about where to send packets. Using the wifi connection is good for configuration, but accessing other online resources may be problematic with the second connection. Once the wifi is disconnected all configuration can be performed through the wired IP.

Connecting to PL8RDR from tablet or camera

```
WIFI: pl8rdr.opscom / T0maha3k   [10.42.0.1]
```

System - Network Settings

Changes on this panel will reboot the device.

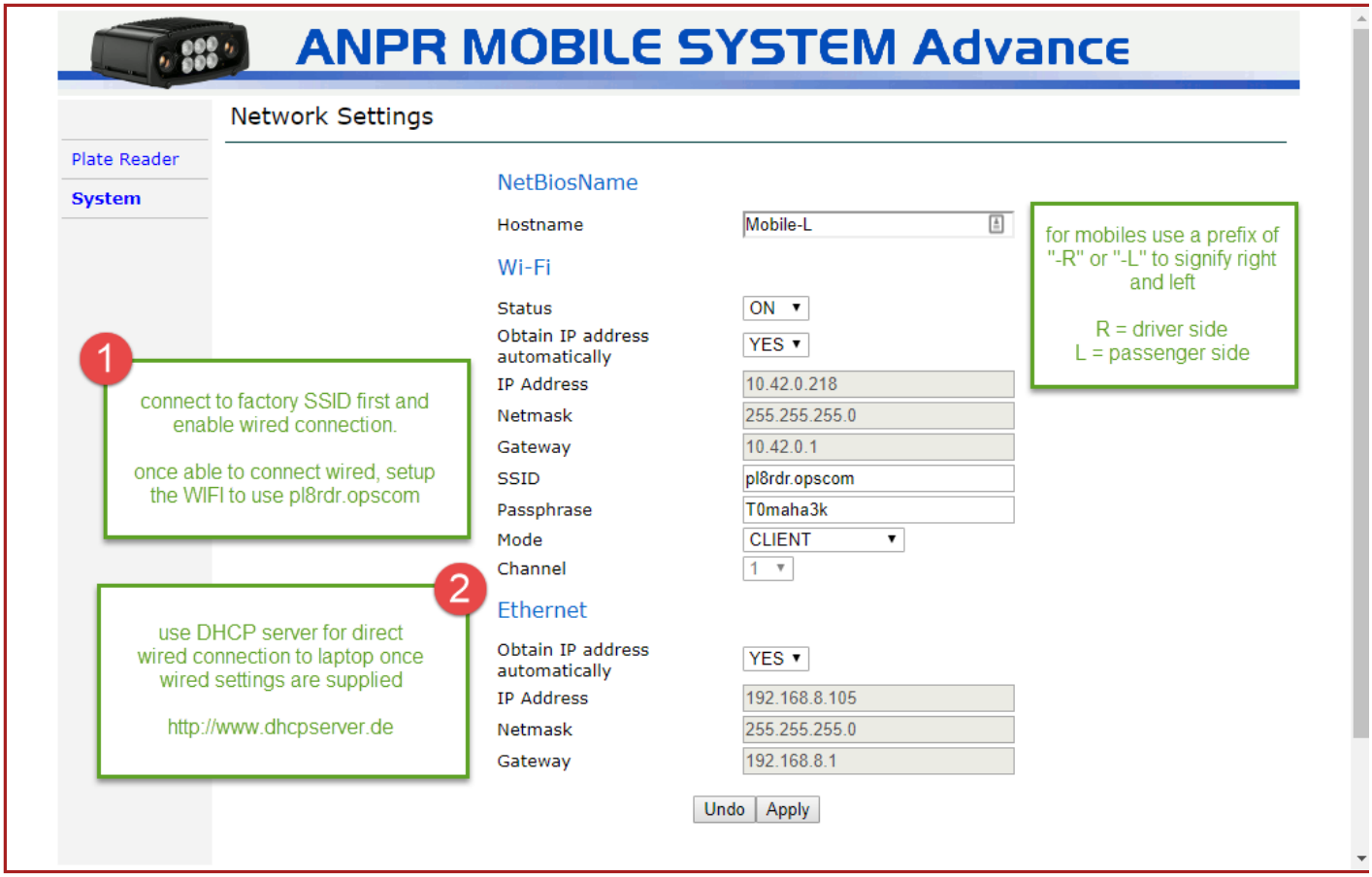
This work is usually done by OPSCOM support.
Details are here to help those clients that are doing initial configuration themselves.

* Suggested that WIFI settings be changed last unless you have a local DHCP server setup.

During setup the device reboots several times, any changes to WIFI settings may make it more difficult to connect to complete configuration.

- * connect wireless and setup wired connection first, then connection may be easier
  - device reboots numerous times during setup
  - DHCP server software: http://www.dhcpserver.de - dhcpsrv2.5.2.zip (*extract to C:*)
    - setup computer with LAN 192.168.8.1 and use that for IP assignment
    - camera will connect to computer to obtain IP address

- Hostname: Mobile-R | Mobile-L (that way we know which is the Right / Left camera)



System - Time Sync

Changes on this panel will reboot the device.

- not terribly important as the PL8RDR records the time of the event not the values sent by the camera
- 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

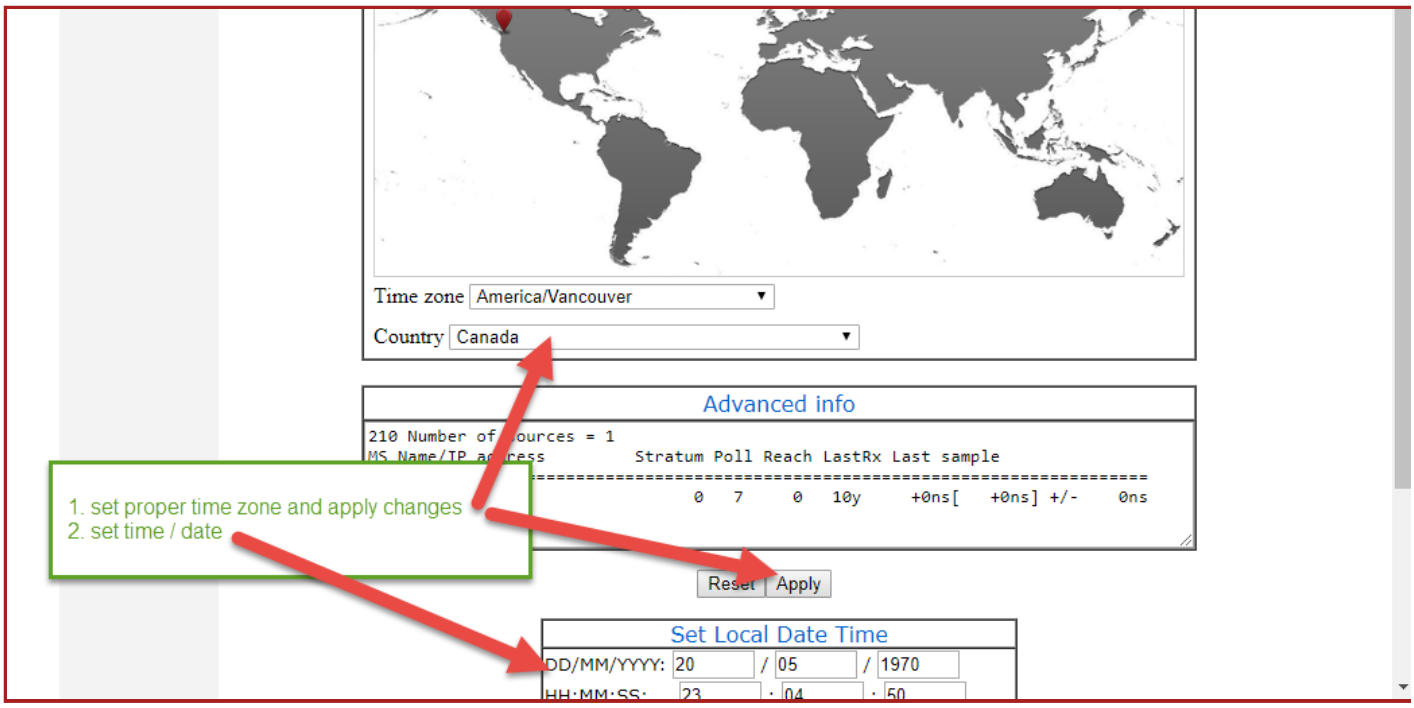


Plate Reader - General Settings

- should always be the **CLIENT_ID** (no spaces)
  - `eg. OC_TOMA`

NOTE: This graphic shows and old implementation. The text in this sample should be only: OC_LIONS

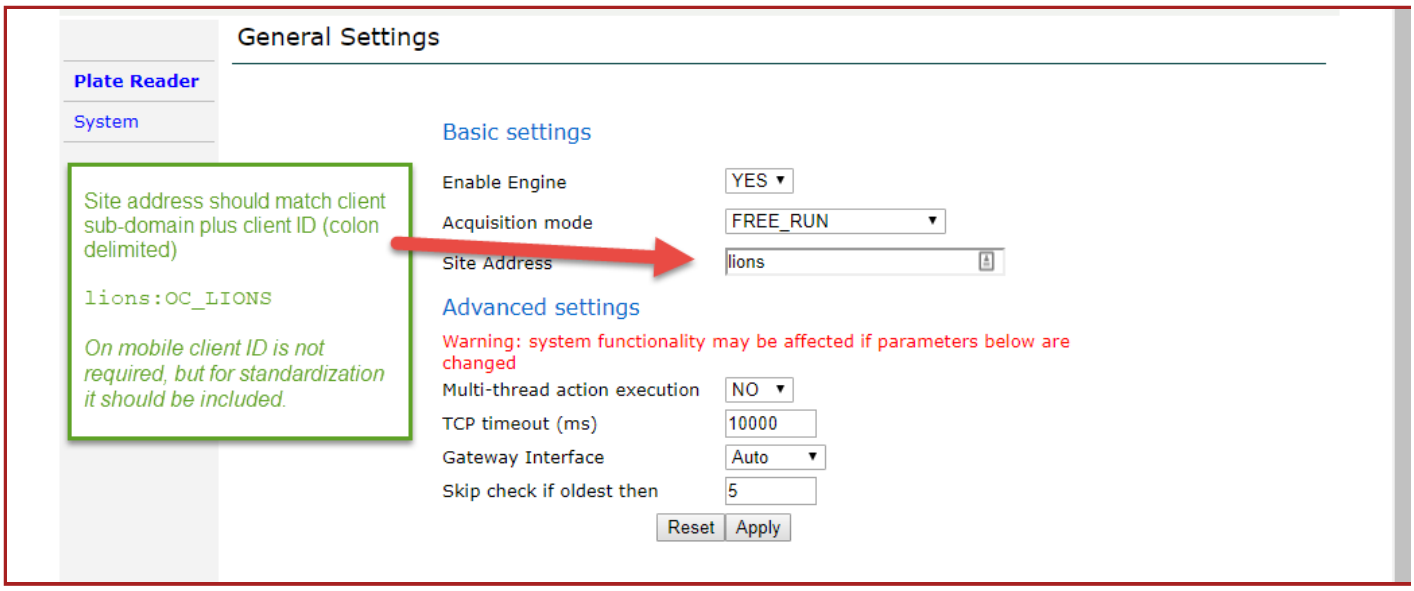


Plate Reader - Plate Reader

Changes on this panel will reboot the device.

- create a buffer around the capture area
- the listed settings are factory defaults (except Locator) and should work with minimal issues
- for mobile bounding region should be set to a lower area since plates will rarely be at the top of the image
    - leave a gutter around the bounding area of at least 30 pixels

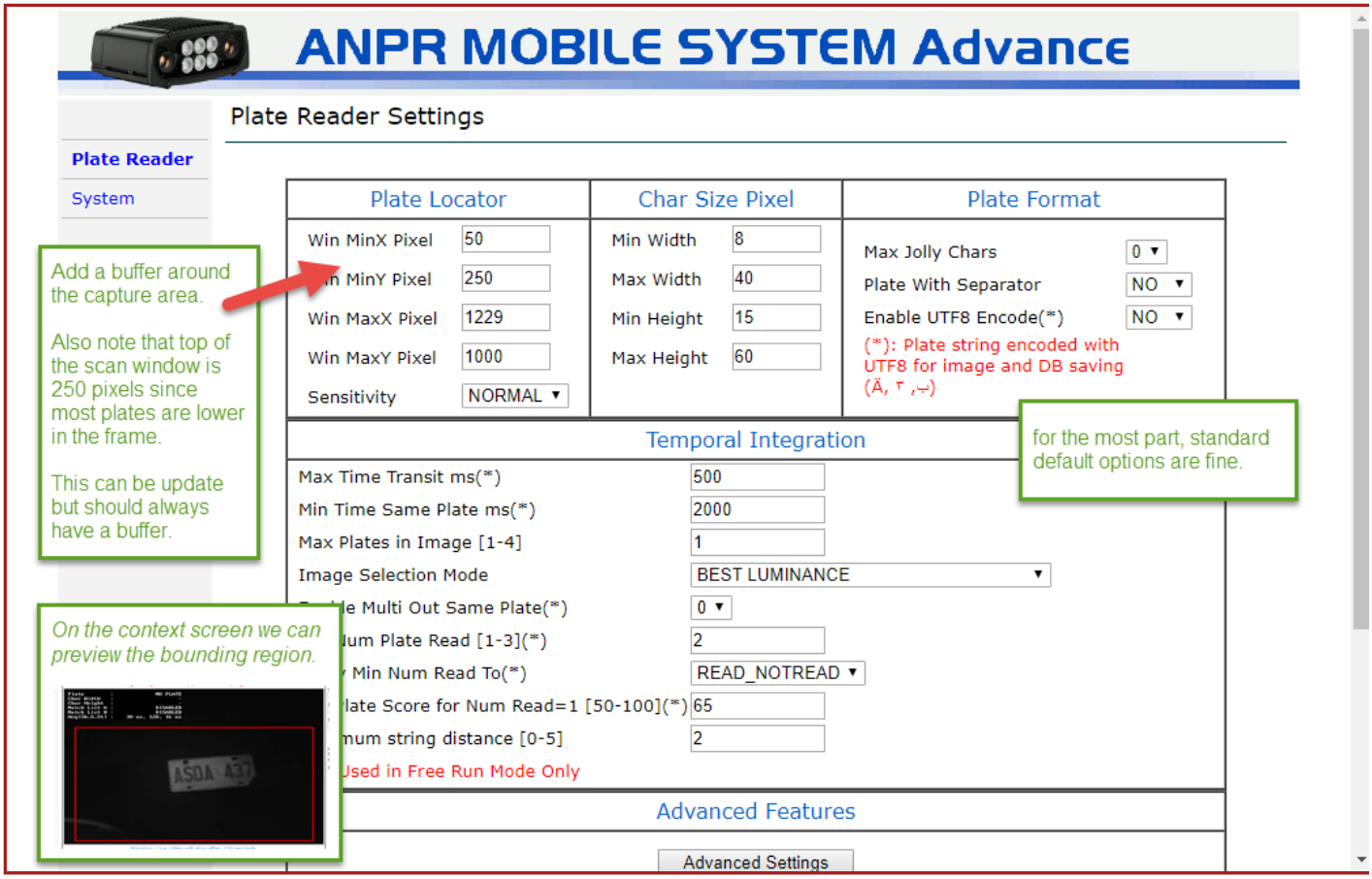
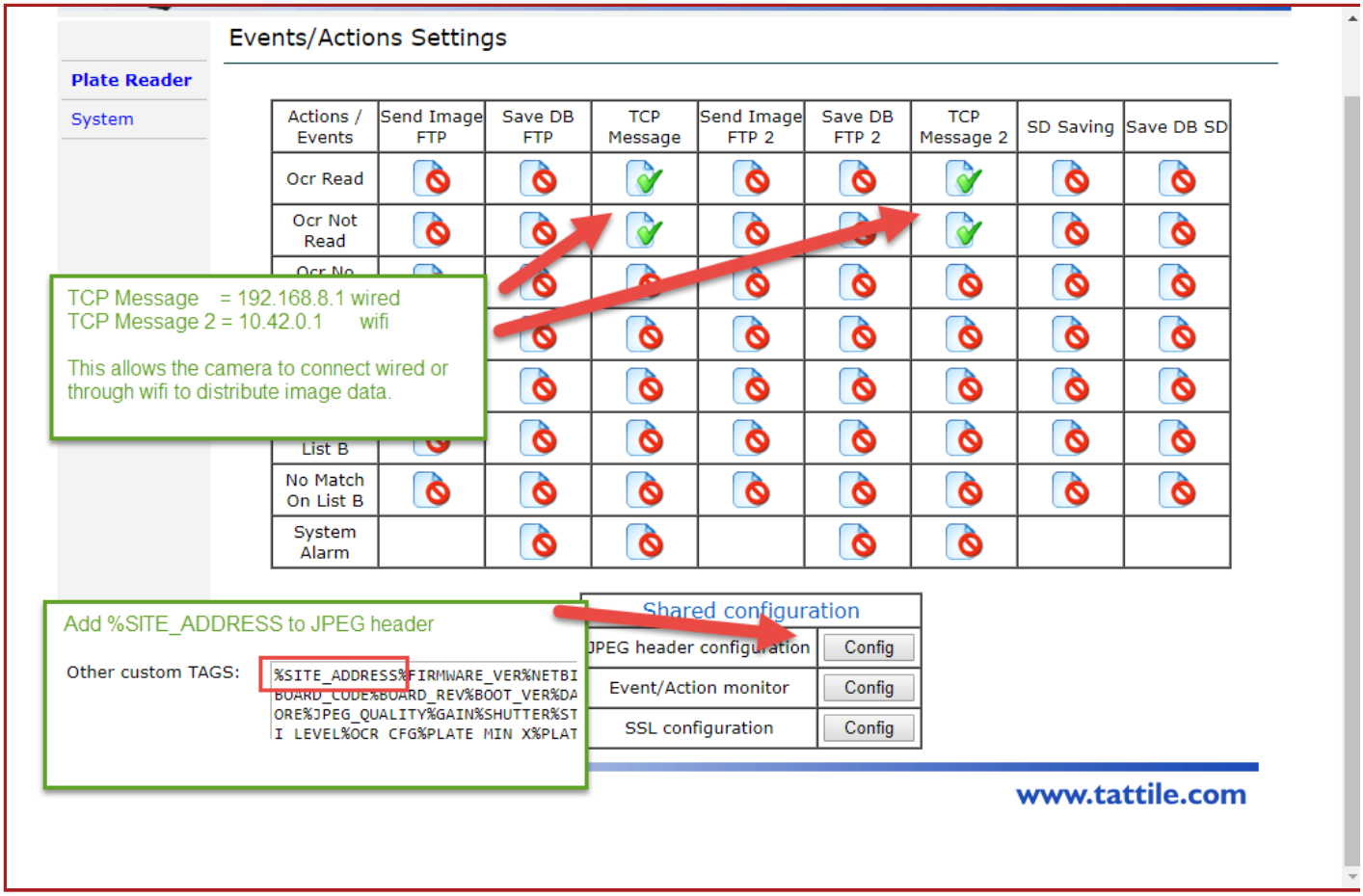


Plate Reader - Events Actions

- (Mobile) there are 4 options; 2 for wired and 2 for wireless
  - 1 each are READ results; 1 each are NO_READ results (vanity plates)
- %SITE_ADDRESS is not important for Mobile but listed here for standardization



During configuration set **wired** *TCP Message* connection as **Enable=No**

Cameras leaving Tomahawk's office will be setup to use wireless only.

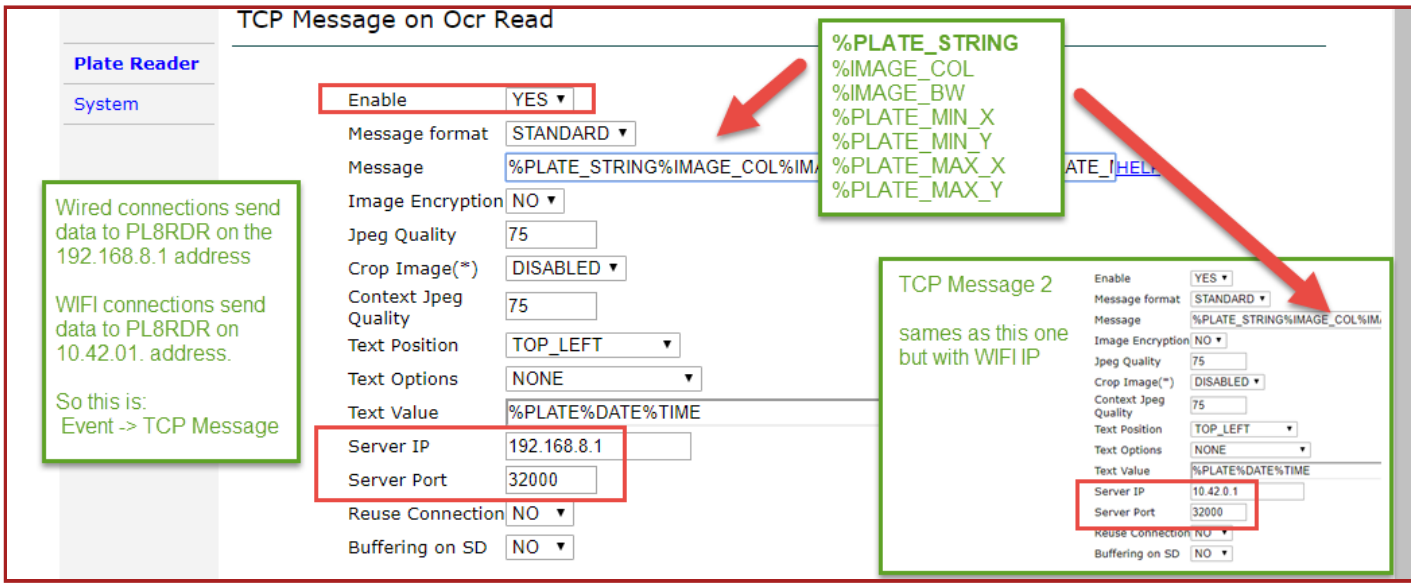
Configuring wired settings can help with troubleshooting in the future.

Events - Specific

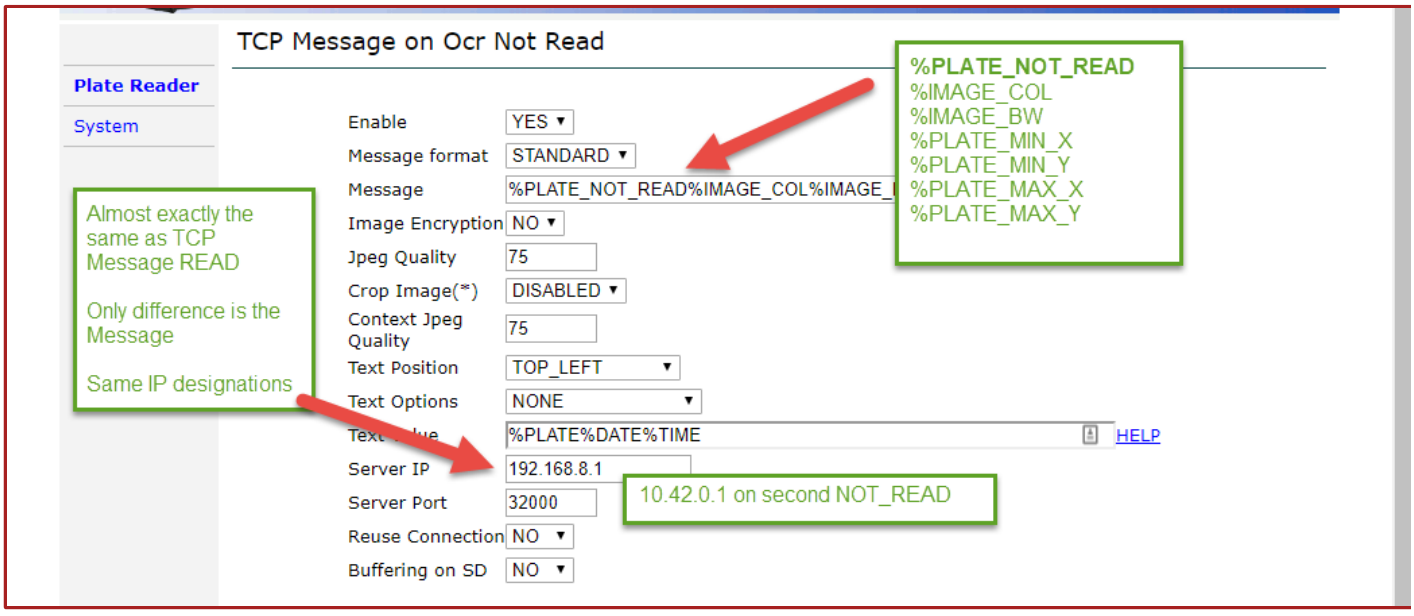
- 2 x **READ** - wired (192.168.8.1) & wireless (10.42.0.1)
  - %PLATE_STRING%IMAGE_BW%IMAGE_COL%PLATE_MIN_X%PLATE_MIN_Y%PLATE_MAX_X%PLATE_MAX_Y
  - Server IP: 192.168.8.1 Server Port: 32000

%IMAGE_BW sends the thumbnail image (*required*)

%IMAGE_COL sends the context image (*not required*)



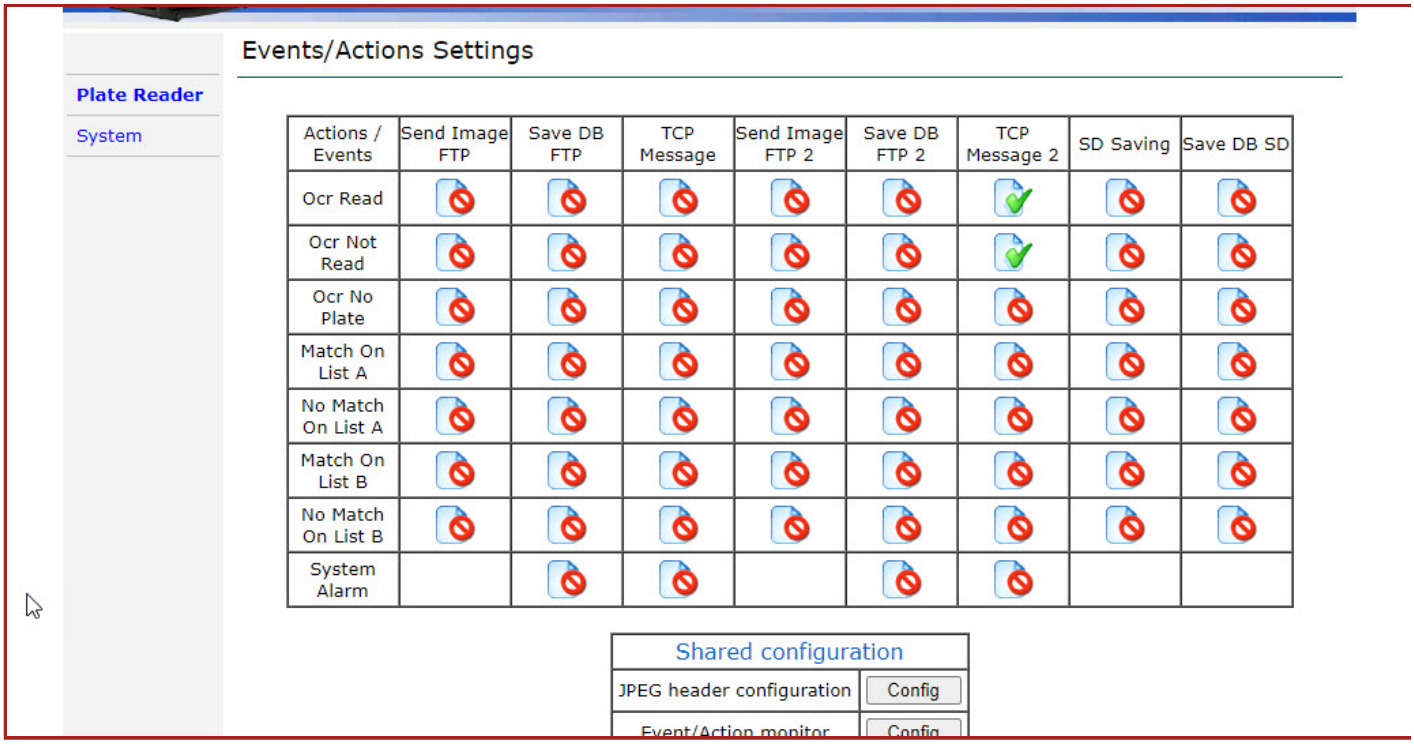
- 2 x **NO_READ** - wired (192.168.8.1) & wireless (10.42.0.1)
  - %PLATE_NOT_READ%IMAGE_BW%IMAGE_COL%PLATE_MIN_X%PLATE_MIN_Y%PLATE_MAX_X%PLATE_MAX_Y
  - Server IP: 10.42.0.1 Server Port: 32000



Wireless Only with Wired Disabled

The final screen should look as shown below. "TCP Message" is setup (disabled) for 192.168.8.1 and "TCP Message 2" is setup (enabled) for 10.42.0.1

We are shipping cameras with wireless configured and wired ready to be enabled if needed; *as of spring 2020*



Camera Context

- likely not necessary to make changes in this area
  - adjust; iris, gain, shutter

Sample Device Info

```
Organizat
ion name

VERSION
Firmware
version
    =
ANPR
Mobile
Ver.3.12.
19 CAN-ON
Dec 20
2019
13:41:34
OCR lib
version
     =
Tattile
Plate
Reader
Ver.3.156
.000
Traffic
Interface
lib  =
1.112
TOS
version
=
4.34.73
TatExt
OCR
lib
   =
TatExt
2.8
TatExt
OCR
2.13.16 -
Pr 2.1 -
Lib
6.0.29805
- May  7
2020
BOOTLOADE
R
```

Plate Reading Quick Test

You should now be able to go to **Plate Reader - Text Result** and hold a plate in front of the camera to confirm operation.

Further testing is suggested with a PL8RDR system.

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