

## Jpegger Imaging System

### General Description

Jpegger is an event triggered, image capture system. When triggered, still frame images are captured into a SQL database, along with the ticket number, commodity, weight, customer name and other associated transaction data. JPEGger should not be confused with ordinary DVR surveillance systems which record full motion video. This video can only be retrieved by time frame. Instead, JPEGger captures and stores snapshots, fingerprints, and document scans that are associated with a single transaction. This has some distinct advantages. By entering a ticket number, a complete audit trail of images can be viewed for a single transaction. Because these graphic files are more compact than full-motion video recordings, less hard drive space is required to store images for the same time period. This makes it feasible to store transaction images for a year or more without massive hard drives.

### Image Capturing

Scrap Dragon can be configured to automatically trigger one or more cameras when certain events occur. Typically, an image is automatically captured from a network camera whenever a material is weighed and whenever a customer is paid. Images can also be automatically captured from other devices such as electronic signature pads and fingerprint readers. Additionally, images can be manually captured from document scanners and wireless hand held digital cameras.

| <b>Event</b>                      | <b>Device</b>                 | <b>Automatic</b> |
|-----------------------------------|-------------------------------|------------------|
| Truck Scale Weigh In              | IQEye Network Cameras         | Yes              |
| Truck Scale Weigh Out             | IQEye Network Cameras         | Yes              |
| Platform Scale Weight             | Toshiba Network Camera        | Yes              |
| Customer Payment                  | Axis Network Camera           | Yes              |
| ATM Payment                       | Axis Network Camera           | Yes              |
| Customer Signs for Payment        | Topaz Signature Pad           | Yes              |
| Customer Fingerprint              | Crossmatch Fingerprint Reader | Yes              |
| Drivers License Image             | Scanshell Scanner             | Yes              |
| Title or document scanned         | Fujitsu Document Scanner      | No               |
| Inspection of VIN or contaminants | Nikon Digital Camera          | No               |

## Image Viewer

Images can be viewed by ticket number, or queried based on a variety of criteria from the database. This is a sample screenshot of the JPEGger viewer, showing a ticket from the truck scale. The images on the left are from the load shot camera and those on the right are from the cab shot camera.



## Camera Placement

Camera placement is as much art as science and does require some trial and error due to differences in light conditions and available mounting locations. These are general guidelines that will provide a good starting point.

**Platform Scale**

We recommend a Toshiba IKWB-15 camera for the nonferrous platform scale. This camera can be used indoors or out. It is a pan-tilt-zoom camera that is easy to position and aim. It can be mounted either directly over the scale, or at any angle of at least 45 degrees from the horizontal. A location about 10-15’ horizontally from the scale and 15-20’ vertically seems to work well.

| Mounting Location                                                                  | Camera Shot                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Directly Overhead                                                                  |                                                                                     |
|   |   |
|  |  |

Platform Scale (continued)

| Mounting Location                                                                   | Camera Shot                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 45 degree angle                                                                     |                                                                                                                           |
|    |  <p>Ticket # 130021<br/>Weight: 51</p>  |
|  |  <p>Ticket # 130021<br/>Weight: 7</p> |



### Pay Window

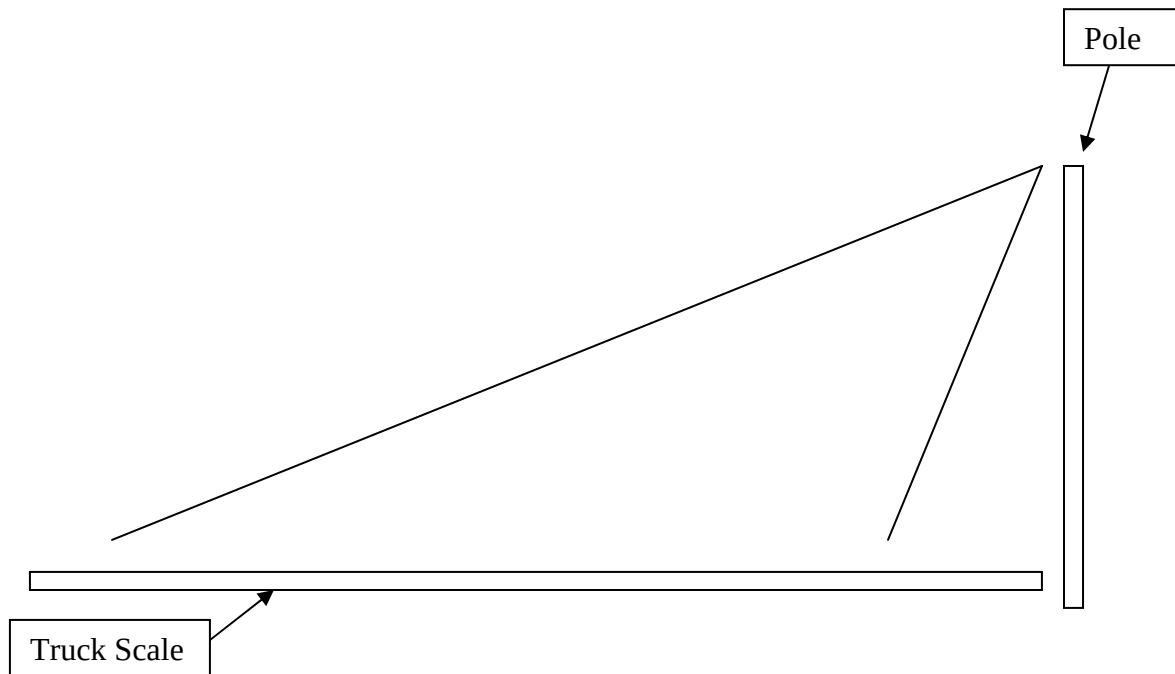
We recommend an Axis 207 camera for the pay window and from inside the ATM. This camera is for indoor use only. It is a stationary camera that is relatively easy to position and aim. It can be mounted either inside the pay window or ATM aimed out at the customer or it can be mounted outside of the pay window or ATM for a profile view.

| Mounting Location                                                                  | Camera Shot                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
|  |  |

## Truck Scale

We recommend at least 2 cameras on each truck scale. One camera is a ground level shot that we refer to as a 'cab shot'. The cab shot is displayed to the operator as a thumbnail that can be used to identify the vehicle on weight out. The other camera is an overhead shot that we refer to as a 'load shot' that is used to identify the material. These are stationary cameras that are mounted in an outdoor enclosure with a heater/blower. We use IQEye cameras for both of these, model 500 series are TCP/IP only, model 700 series are both TCP/IP and analog which makes them suitable for double duty as surveillance cameras. The overhead camera is best positioned on a 20-30' pole at the rear of the scale aimed down the length of the scale into the bed of the vehicle. Other useful shots can be set up as desired, eg. the license plate, the scale indicators, etc.

Load Shot Mounting Pole - Side View:



## Truck Scale (Cab Shot)

| Mounting Location                                                                   | Camera View                                                                          |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Cab Shot                                                                            |                                                                                      |
|    |    |
|   |   |
| Thumbnail Operator View                                                             |                                                                                      |
|  |  |



## Truck Scale (Load Shot)

| Mounting Location                                                                                                               | Camera View                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p data-bbox="230 344 375 380">Load Shot</p>  |  <p data-bbox="834 932 1062 968">Ticket # 131037<br/>W3061432 Tue Jun 26 2007</p>     |
|                                              |  <p data-bbox="834 1667 1062 1703">Ticket # 131037<br/>W3061432 Tue Jun 26 2007</p> |



## Truck Scale (Load Shot, continued)



| Description      | Camera View |
|------------------|-------------|
| Other Shots      |             |
| Scale Indicators |             |

## Scanned Documents



384 25084645-111

**COMMONWEALTH OF PENNSYLVANIA**  
**CERTIFICATE OF SALVAGE FOR A VEHICLE**  
 REGISTRATION NOT TO BE ISSUED

0631E0396000924 001

|                                                   |                          |                |                               |                             |                                |
|---------------------------------------------------|--------------------------|----------------|-------------------------------|-----------------------------|--------------------------------|
| VEHICLE IDENTIFICATION NUMBER<br>1GHD13W9Y2186002 |                          | YEAR<br>2000   | NAME OF VEHICLE<br>OLDSMOBILE |                             | TITLE NUMBER<br>41182763302 ST |
| SDN<br>11/23/04                                   | XX XXX<br>DATE PA TITLED | GV<br>11/08/06 | SEAT CAP<br>DATE OF ISSUE     | PRIOR TITLE STATE<br>XXXXXX | COOM PROCD DATE<br>XXXXXX      |
| COOM MILES<br>XXXXXX                              | COOM STATUS<br>XXXXXX    | COOM<br>XXXXXX | COOM<br>XXXXXX                | COOM<br>XXXXXX              | COOM<br>XXXXXX                 |

**TITLE BRANDS**

|                                                                                                                                                                                  |                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A - AIRPORT VEHICLE<br>B - CLASSIC VEHICLE<br>C - COLLECTIBLE VEHICLE<br>D - OUT OF COUNTRY<br>E - ORIGINALLY INTEND FOR NON-USE<br>F - DISTRIBUTION<br>G - AGRICULTURAL VEHICLE | H - MISSING VEHICLE<br>I - VEHICLE A POLICE VEHICLE<br>J - RECONSTRUCTED<br>K - STREET RIG<br>L - RECOVERED THEFT VEHICLE<br>M - VEHICLE CONTAINS RECOVERED VIN<br>N - PLATE VEHICLE<br>O - STRIKE A TAG |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**ODOMETER STATUS**

|                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 - ACTUAL MILEAGE<br>2 - MILEAGE EXCEEDS THE MECHANICAL<br>LIMITS<br>3 - NOT THE ACTUAL MILEAGE<br>4 - NOT THE ACTUAL MILEAGE ODOMETER<br>TAMPERING SUSPECTED<br>5 - EMPTY FROM ODOMETER DISCLOSURE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**IMPORTANT NOTICE - FORM MV-426B MUST BE USED WHEN APPLYING FOR A "RECONSTRUCTED" PENNSYLVANIA CERTIFICATE OF TITLE. THIS SALVAGE VEHICLE MAY NOT BE OPERATED ON THE HIGHWAY UNTIL A "RECONSTRUCTED" TITLE IS ISSUED.**

**SALVAGE VEHICLE OWNER(S)**

113001  
 STATE FARM MUTUAL  
 AUTOMOBILE INS CO  
 C/O IAA  
 100 INDUSTRIAL WAY  
 CONSHOHOCKEN PA 19428

**ALLEN D BIEHLER**  
 Secretary of Transportation

**1694387**

**Commonwealth of Pennsylvania**  
 Department of Transportation

STORE IN A SAFE PLACE - IF LOST APPLY FOR A DUPLICATE - ANY ALTERATION OR ERASURE VOIDS THIS CERTIFICATE.

Ticket # 209999  
 Cust. Name A VALUED CUSTOMER  
 Capture Date/Time: 2009-05-06 1:27:55 PM

## Electronic Signature



I own the material.

*Giordani Moore*

## Fingerprint



Ticket #: VARIOUS  
Receipt #: 100845  
Amount: 1000.00  
Cust. Name: A VALUED CUSTOMER

## Drivers License

