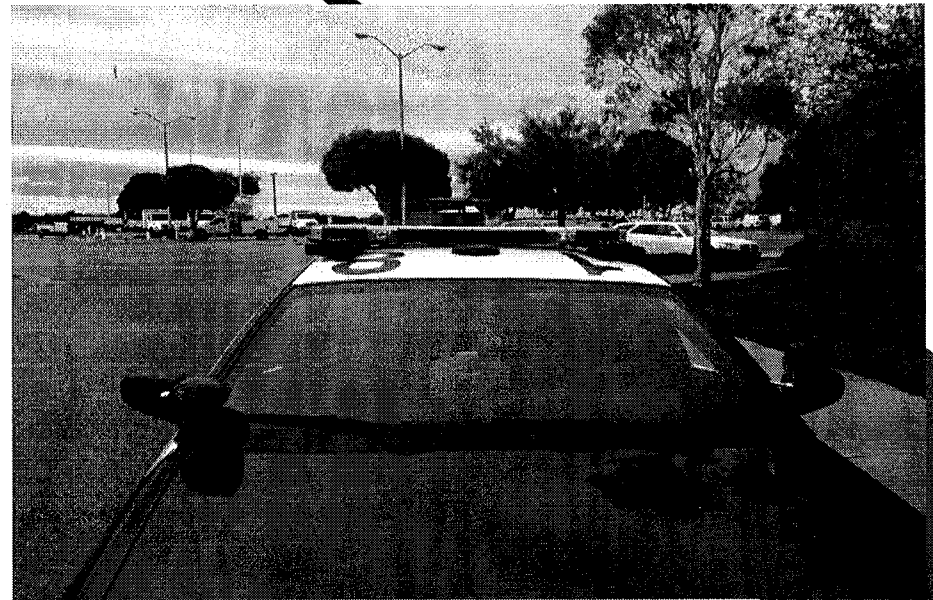


Automated License Plate Recognition (ALPR) Training



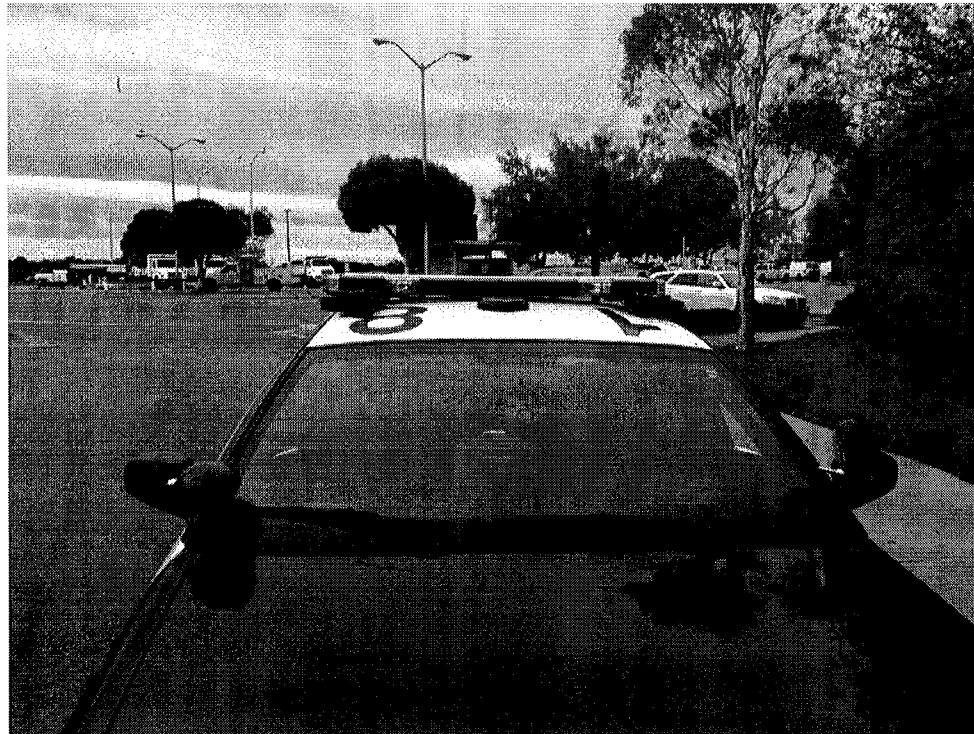
Agenda

- Introduction-What is ALPR?
- Officer Responsibilities
- How to log on
- Begin Shift
- End Shift
- Troubleshooting
- Hands on Training

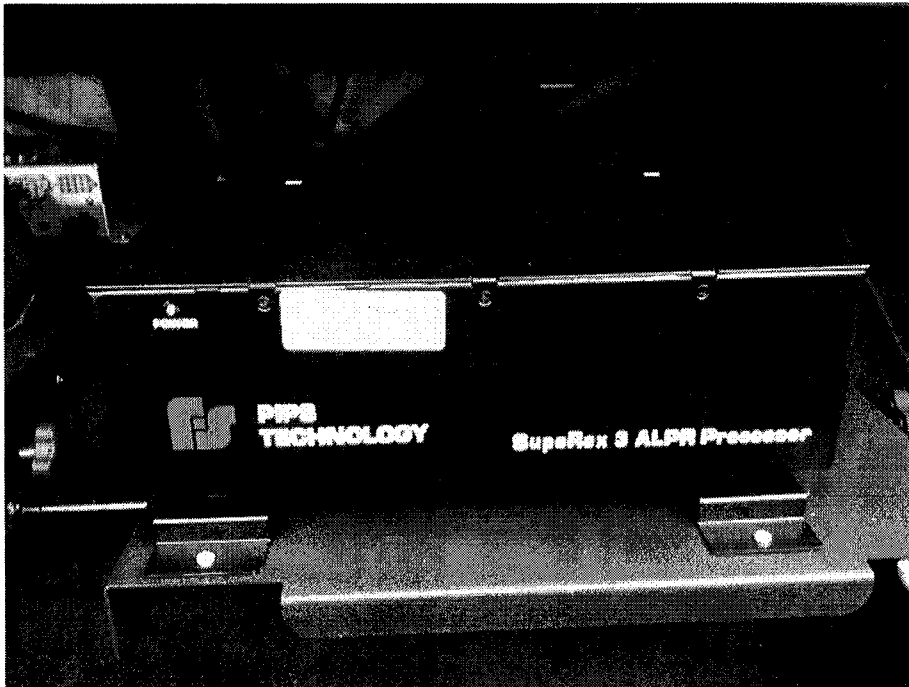


Introduction

- What is the Automatic License Plate Recognition System (ALPR)



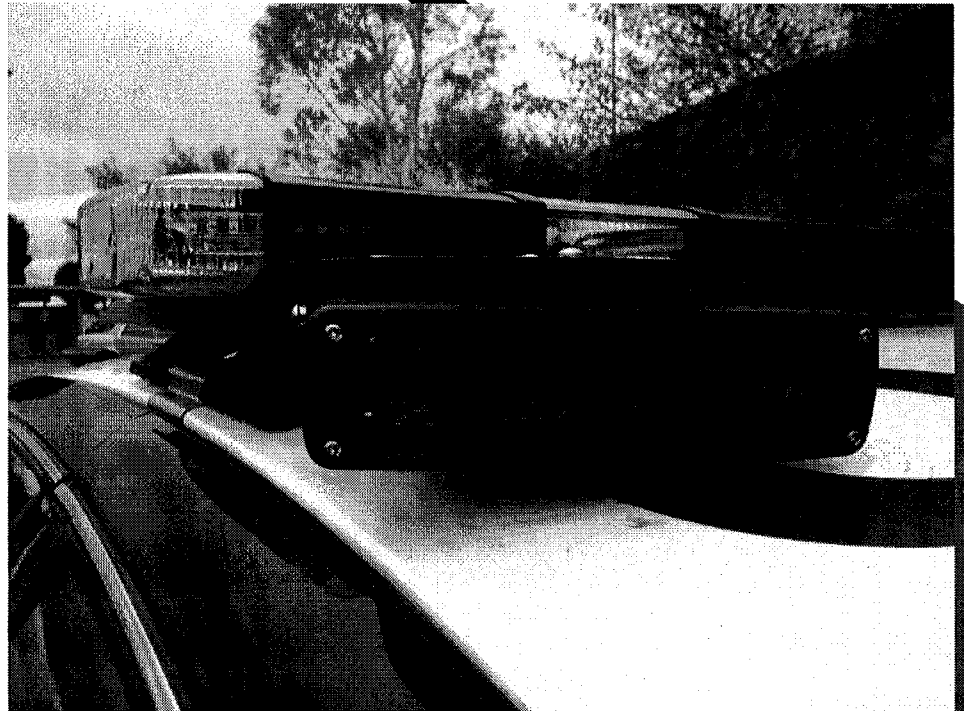
What is ALPR?



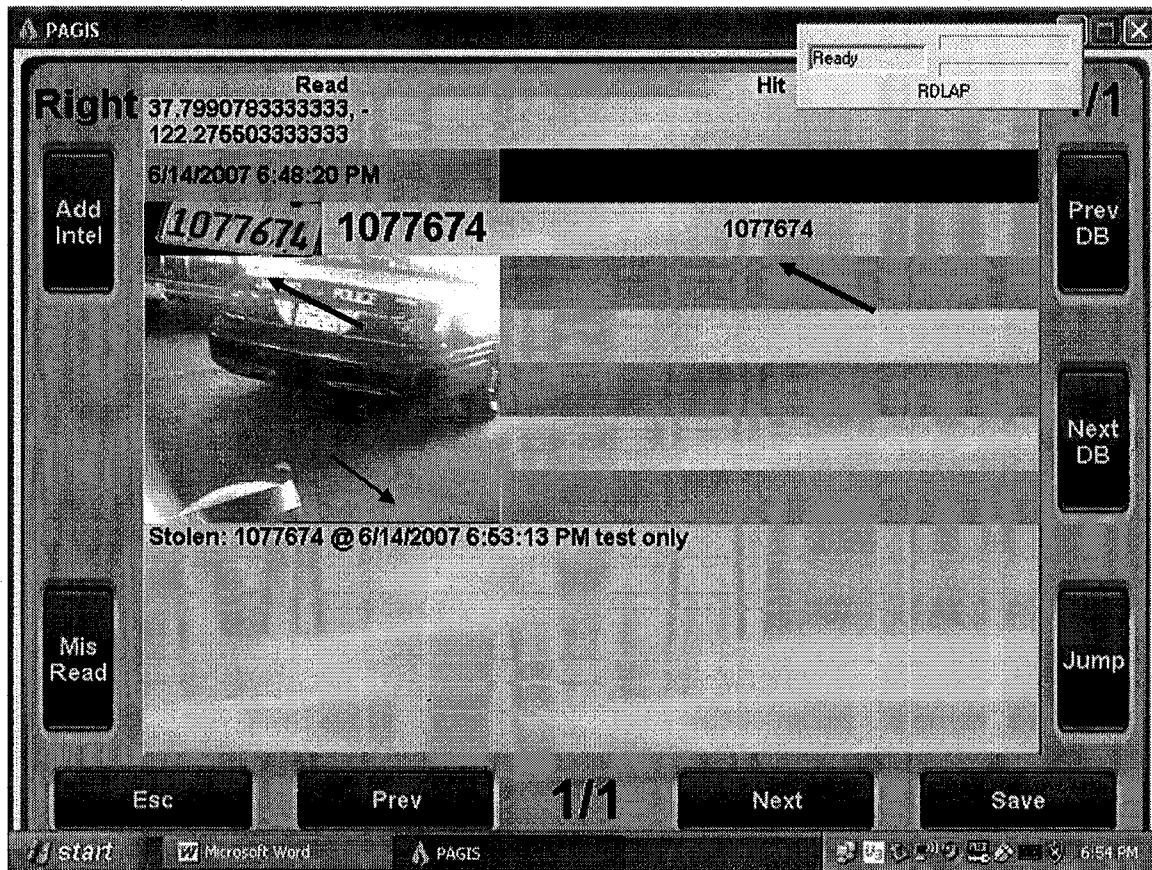
- A computer that automatically scans license plates and compares them to a wanted vehicle database
- Searches for Stolen vehicles, Felony vehicles, Lost or Stolen plates and any other manually entered plates

What is ALPR? (Cont)

- The system incorporates two cameras, one IR, one Color into a single housing, two housings per vehicle
- Can capture plates in all weather, oncoming headlights, glare, bright sunlight and in darkness
- Uses IR and OCR (Optical Character Recognition) technology to read plates



What is ALPR? (Cont)

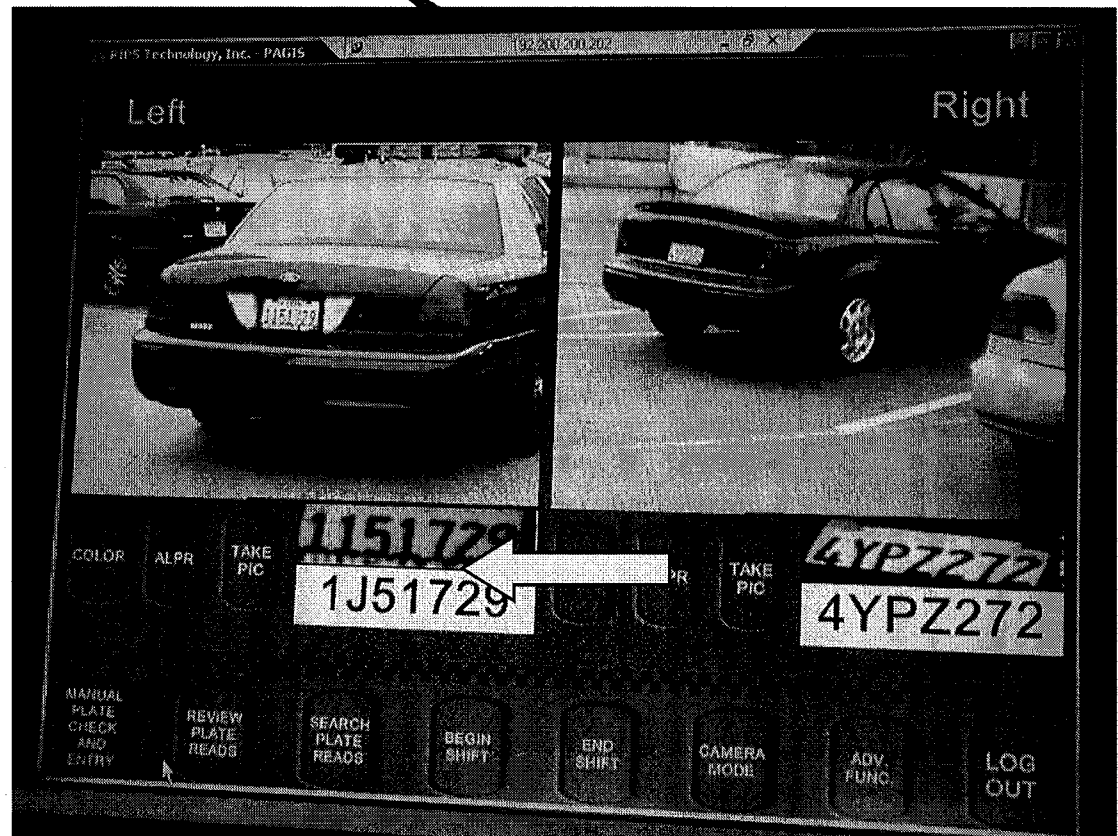


- Officer is notified visually and with a audible alarm when a match is made
- Matches must be confirmed through CLETS
- The Database is **NOT** live and matches may not still be in the system
- Visually confirm the plate from the vehicle, **NOT** from the picture



ALPR is NOT PERFECT!!!

- ALPR does **NOT** read all plates
 - Non-reflective plates
 - Old Blue GA
 - Extremely Dirty
 - Mutilated or Obscured
- Out of state & motorcycle plates can be read, but accuracy **may** be reduced
- Plate must be in the field of view of the camera
- ALPR only reads from the IR camera, not the color overview camera
- Misreads can and will occur!
- **VERIFY, VERIFY VERIFY!!!**



Officer Responsibilities

- Pursuit Policy

- Falls under J4 standard
 - Officer must notify dispatch they are in a ALPR vehicle.
 - Officer should request a marked black & white police vehicle to respond to take over the pursuit as soon as practical
 - ALPR vehicles may be allowed to continue in a pursuit or assist in a pursuit only when approved to do so by a field supervisor



Officer Responsibilities



- Reporting

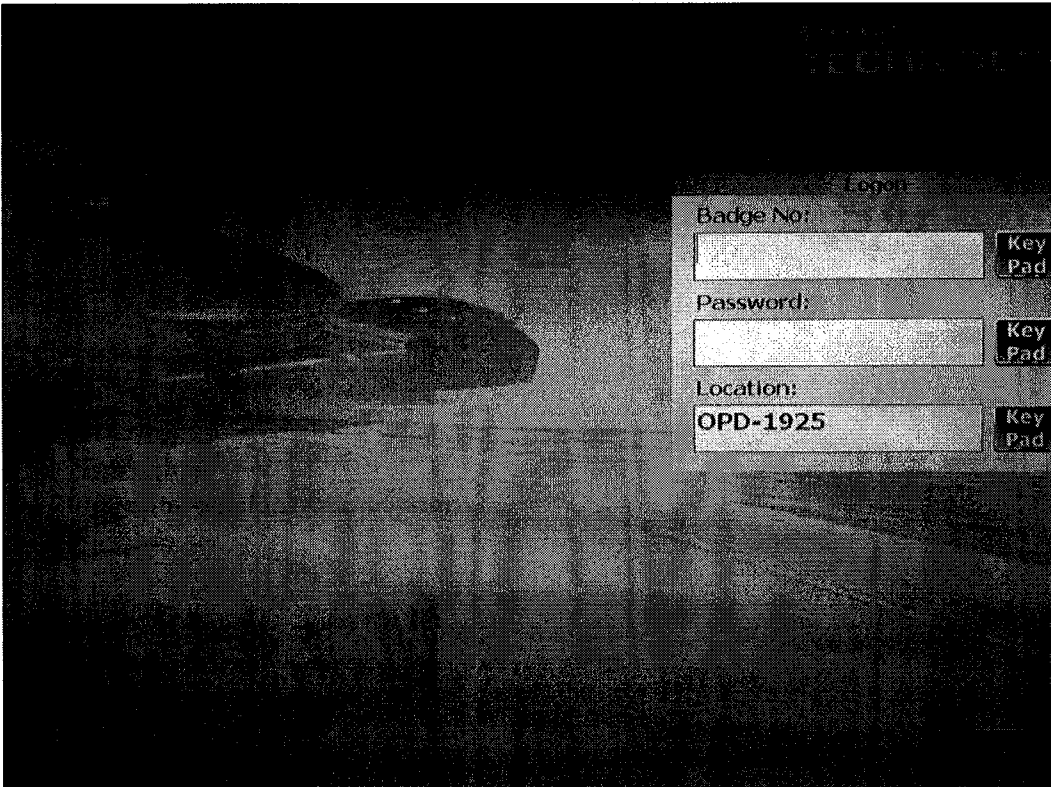
- Officers are required to complete the appropriate paper work for stolen vehicle recoveries.
- Officer should forward E/C to the requesting Investigator ~~in~~ on the hit screen.

START UP



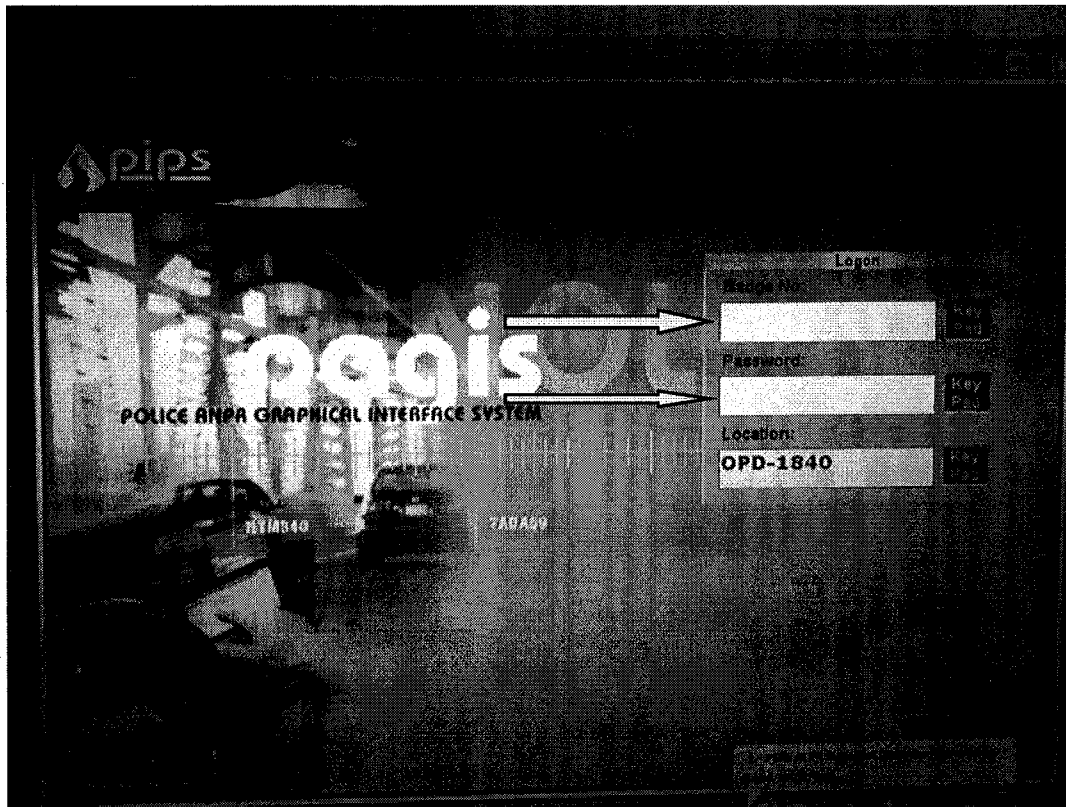
- Make sure that you have a wireless connection with the network

START UP



- Log onto the MDT and allow PAGIS to load completely

Logging into PAGIS



- Enter your login in lowercase in the **Badge #** field
- Enter your password in the **Password** field
- **Location** – ALPR ID self populating
- Hit “**Log On**” Button
- The Patrol Screen will now load

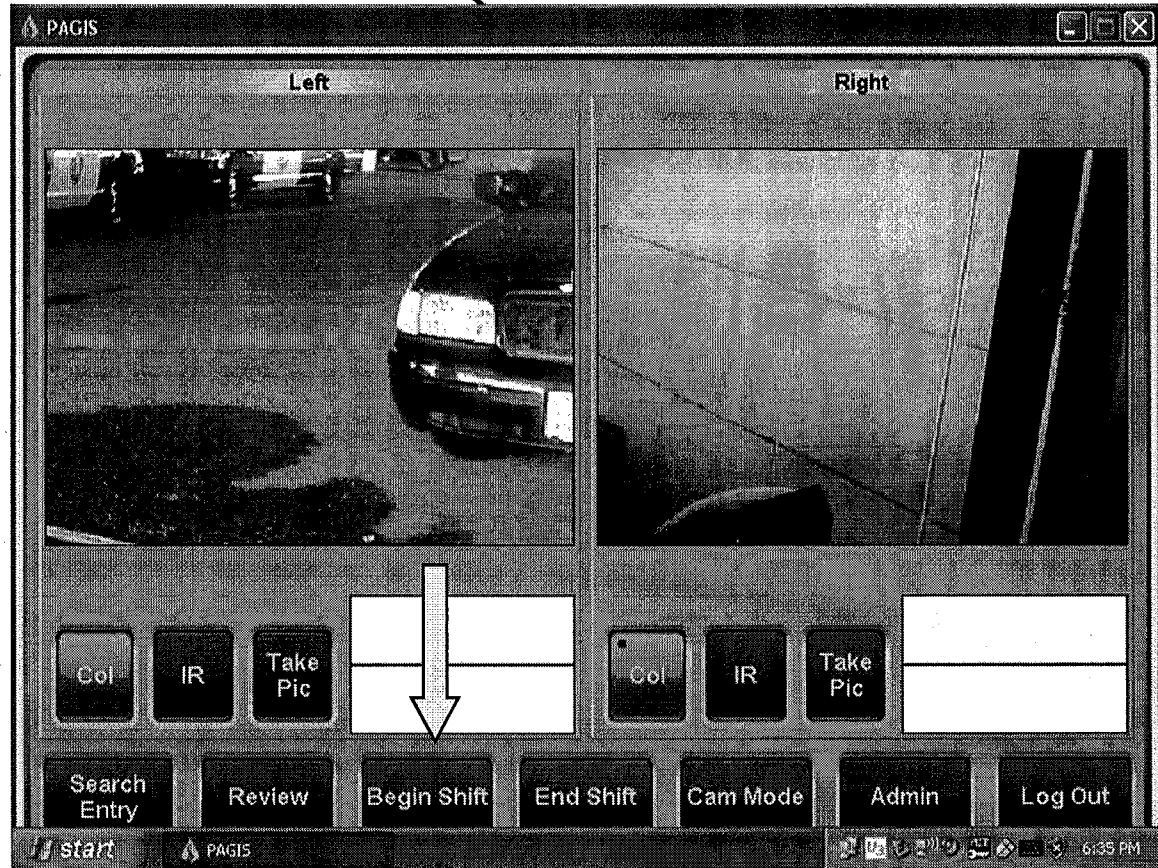
Patrol Screen (Live)

- Main screen to use the PAGIS system
- Buttons available to access other features



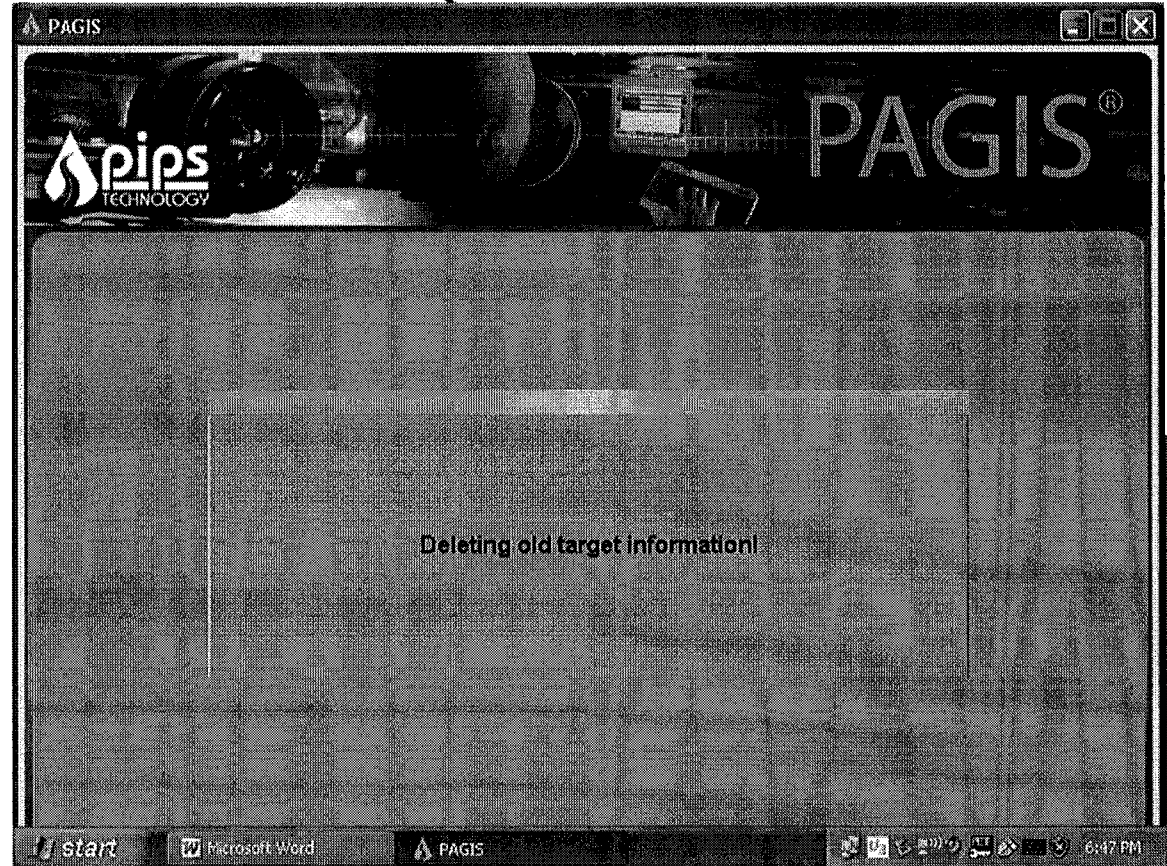
Begin Shift

- Double click the **Begin Shift** button to begin upload of databases
- This may take as long as 5 minutes

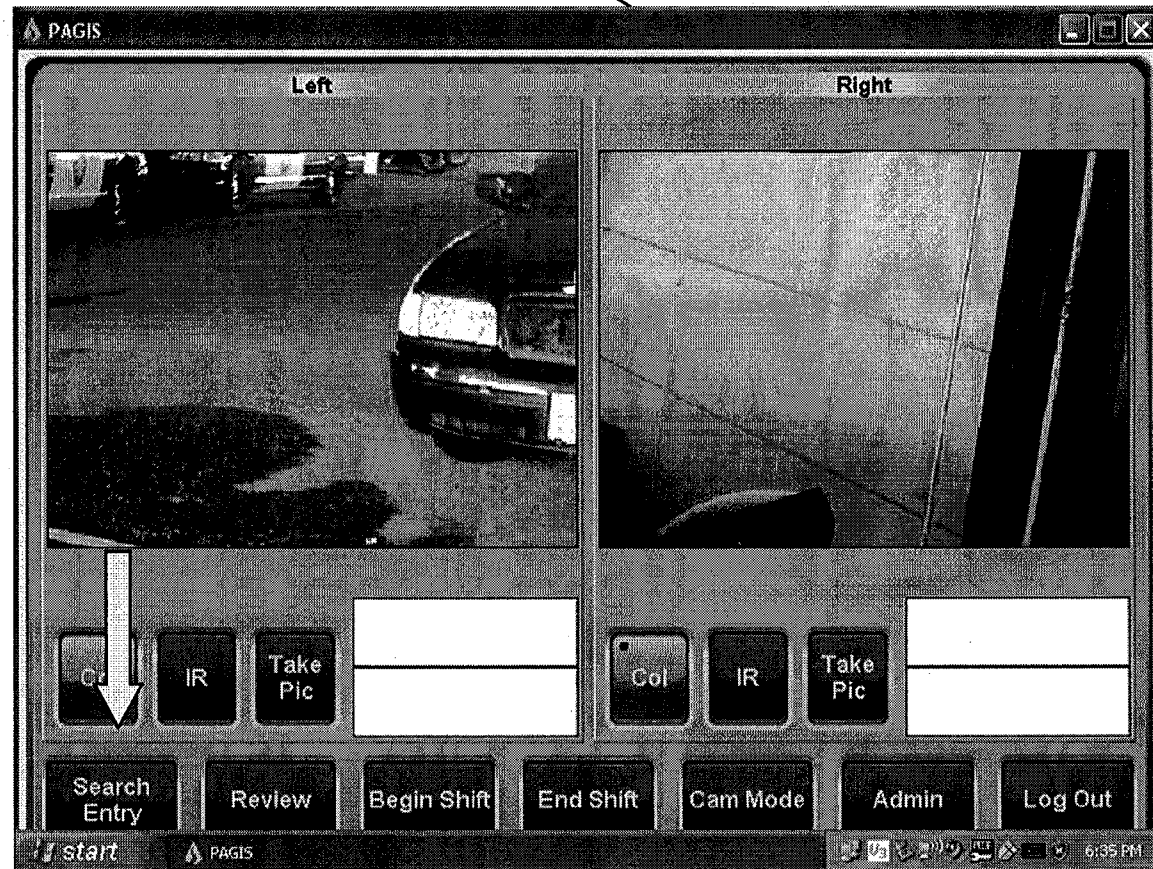


Begin Shift (cont.)

- PAGIS will display a status screen while the begin shift process is taking place.

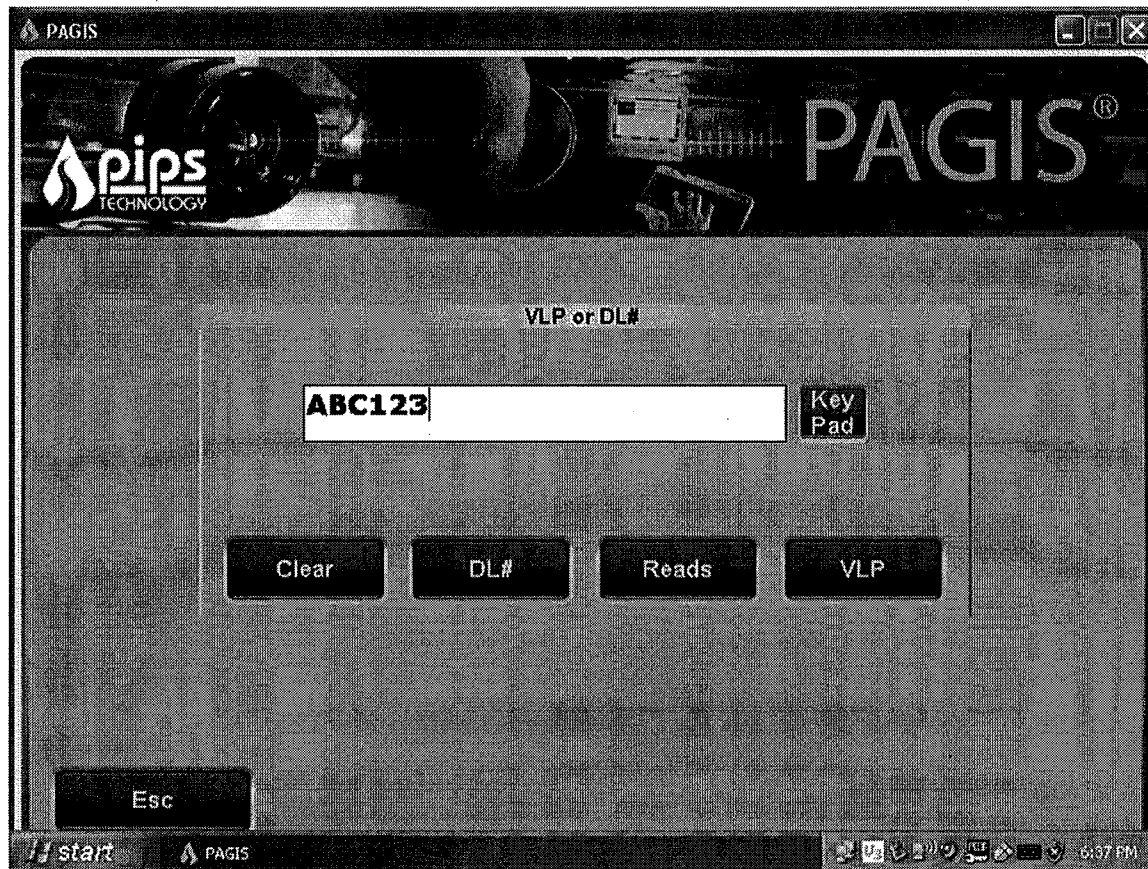


Other Features in PAGIS



Manual Plate Check & Entry

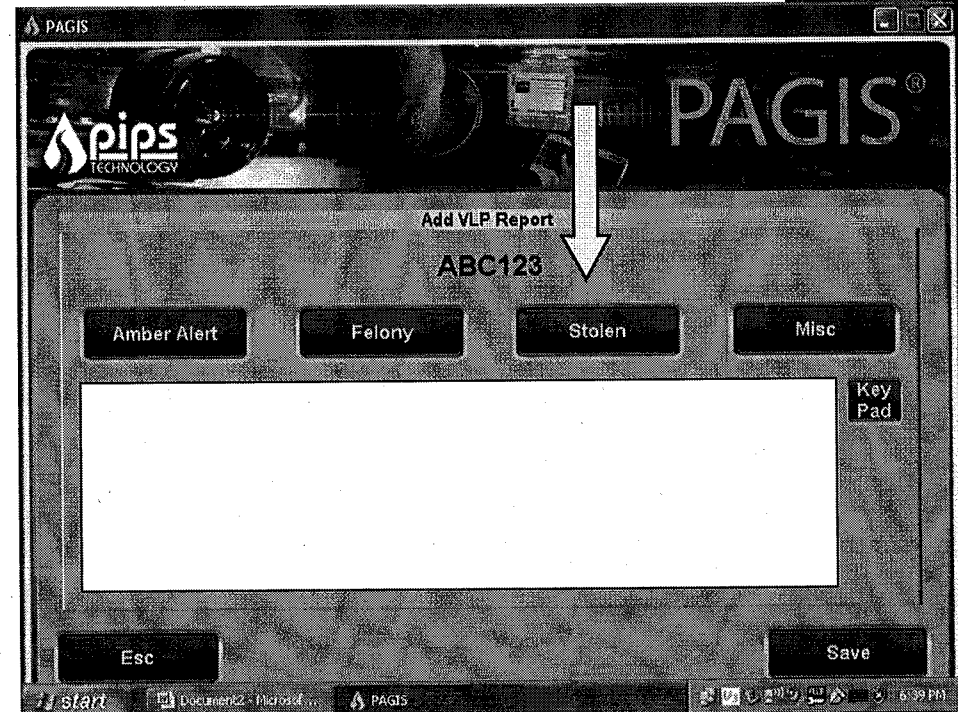
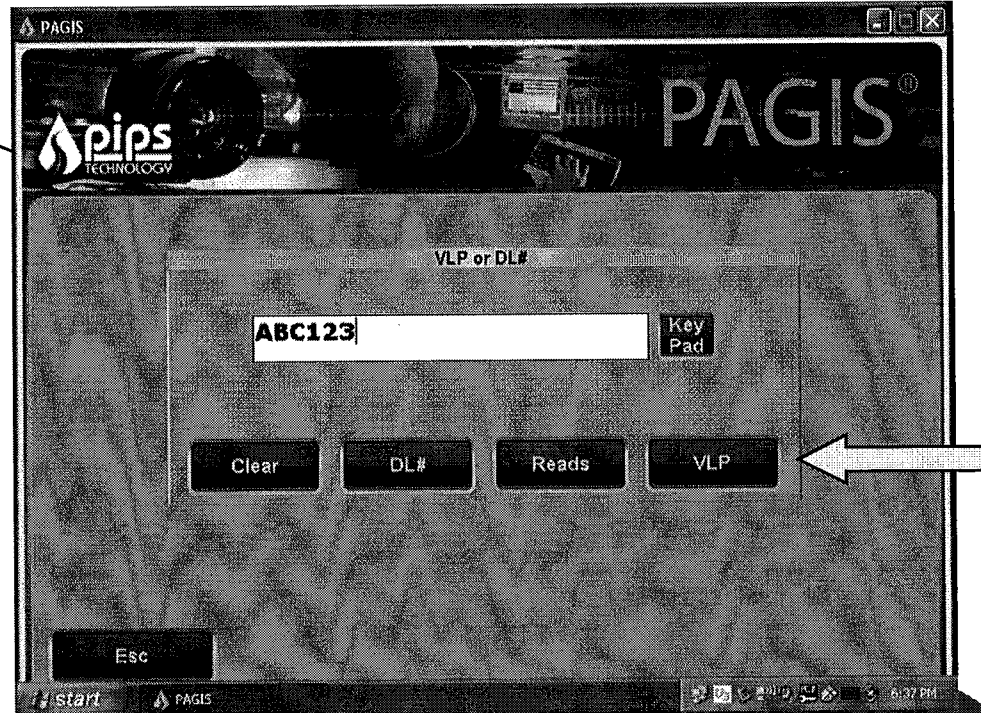
Manual Plate Check & Entry



- Allows you to check for wanted plates
- Allows you to add wanted plates to databases

Manual Plate Check (cont)

- Enter plate and hit “**VLP**” button
- If plate is not found and you want to add to database
- Hit “**Stolen**” button

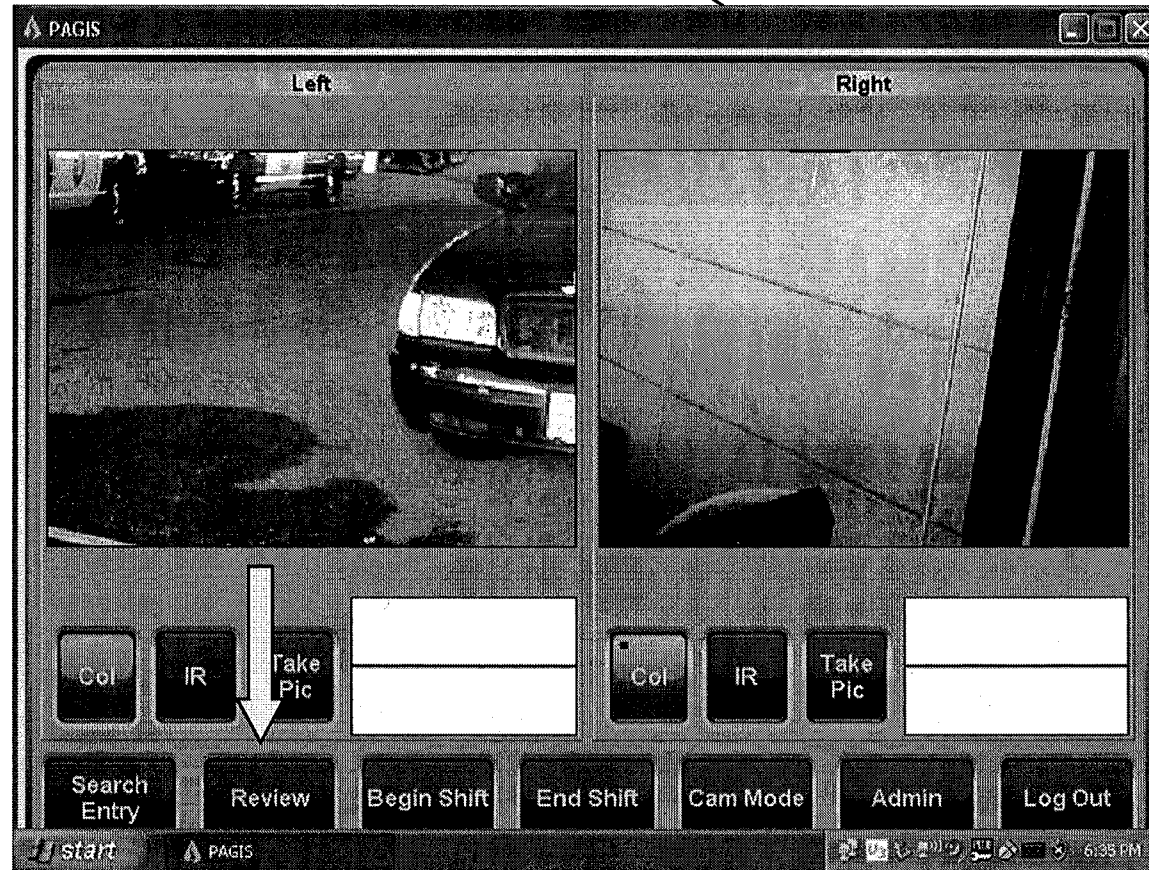


Adding a Wanted Plate

- Add any additional information in narrative box
- Hit **"SAVE"**

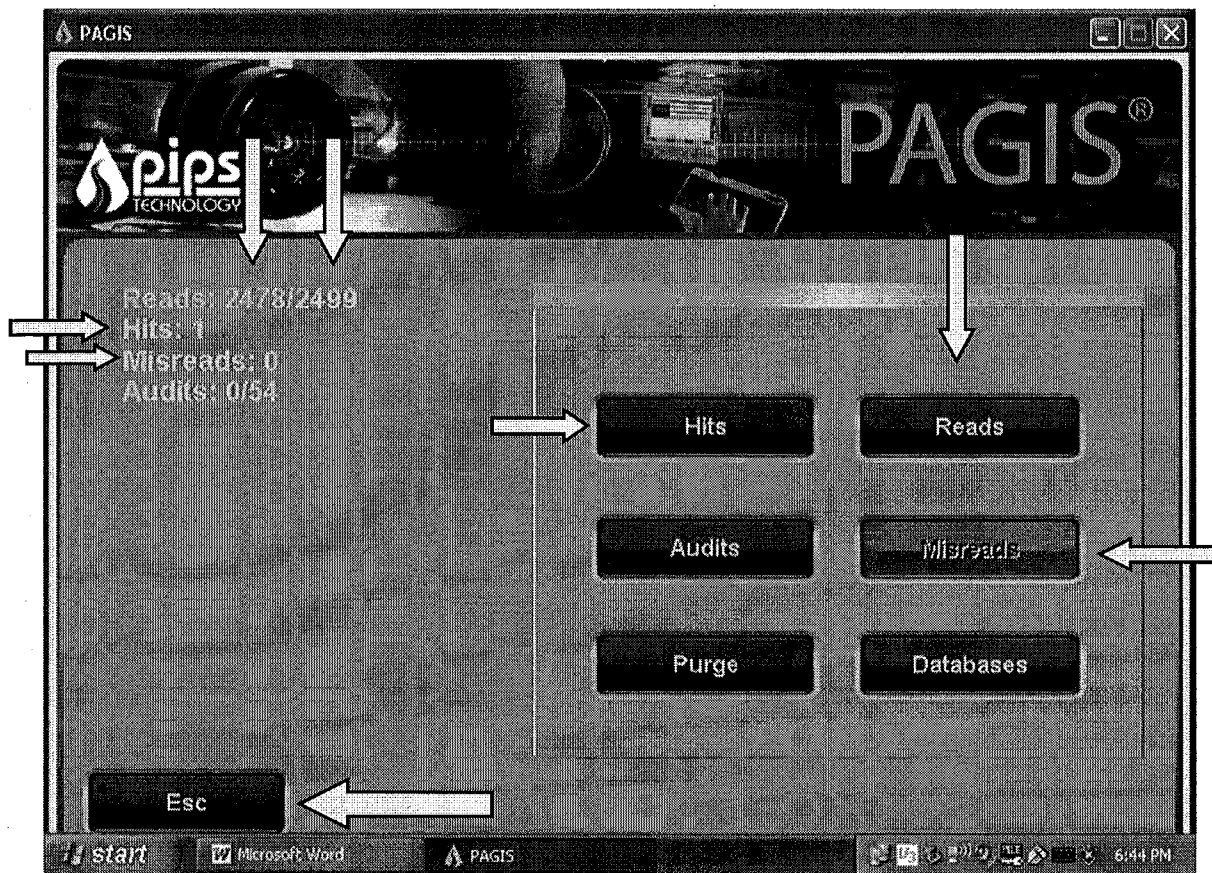
The screenshot shows the PAGIS software interface. At the top, there is a header with the 'pips TECHNOLOGY' logo on the left and the 'PAGIS®' logo on the right. Below the header, the main window is titled 'Add VLP Report'. In the center, the text 'ABC123' is displayed. Below this, there are four buttons: 'Amber Alert', 'Felony', 'Stolen', and 'Misc'. The 'Stolen' button is highlighted. Below these buttons is a large text area containing the text 'Stolen: ABC123 @ 6/14/2007 6:39:56 PM'. To the right of this text area is a 'Key Pad' button. At the bottom of the form, there are two buttons: 'Esc' on the left and 'Save' on the right. An arrow points from the 'Esc' button to the 'Save' button. The Windows taskbar is visible at the bottom, showing the 'start' button, a 'Document3 - Microsof...' window, and the 'PAGIS' application icon. The system clock shows '6:39 PM'.

Other Features in PAGIS



Review Plate Reads

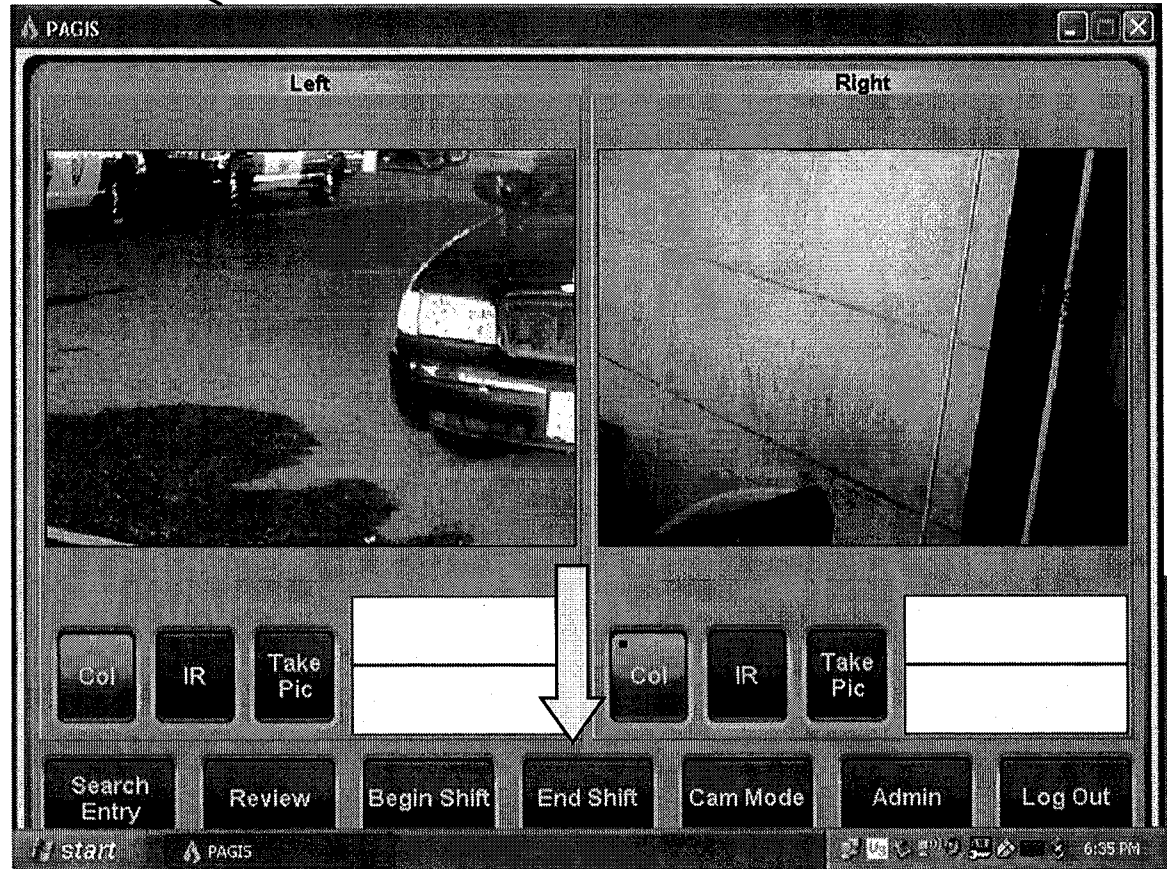
Review Plate Reads



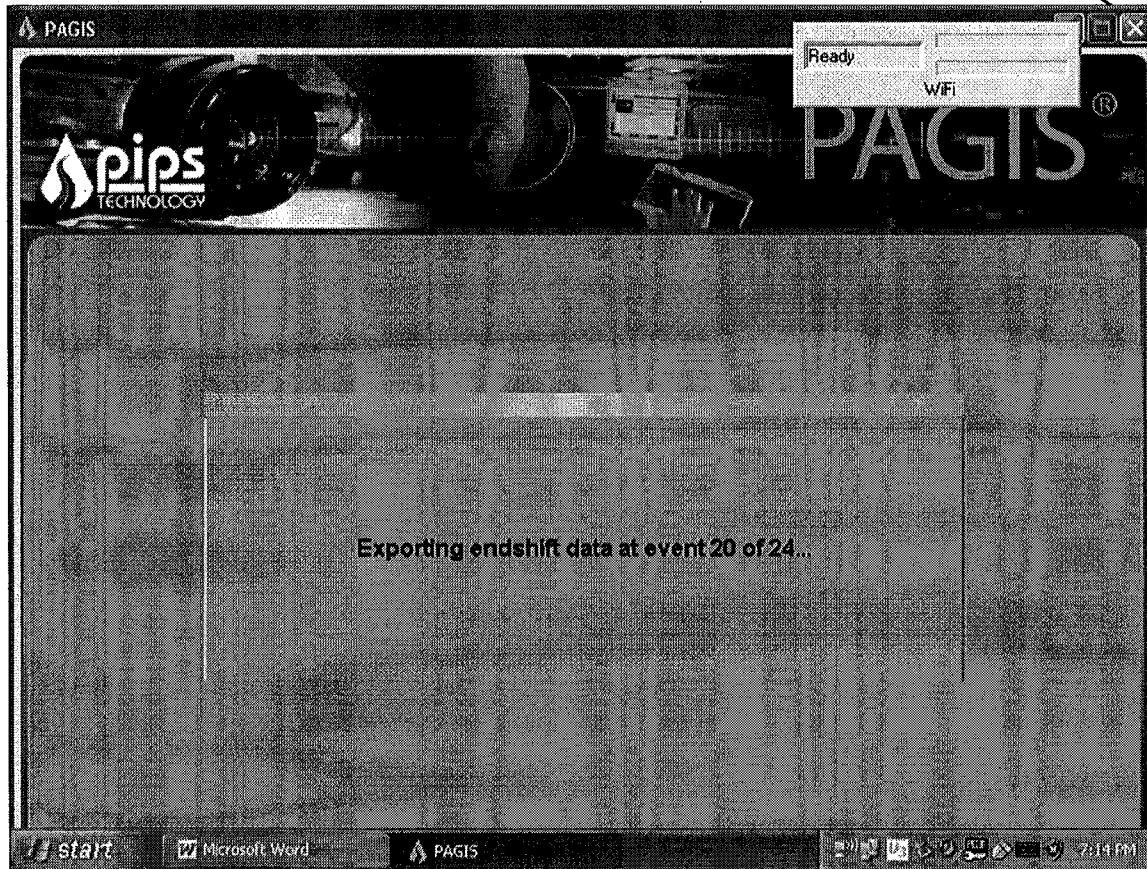
- Summary screen for basic "Stats"
- Tap **READS** to see all plates read
- Select **Hits** to view all hits
- Tap "misreads" to view misreads
- **"ESC"** to exit

ENDSHIFT

- Should be done at transportation
- Confirm that you are connected to the server via Wifi
- Double tap “**END SHIFT**”

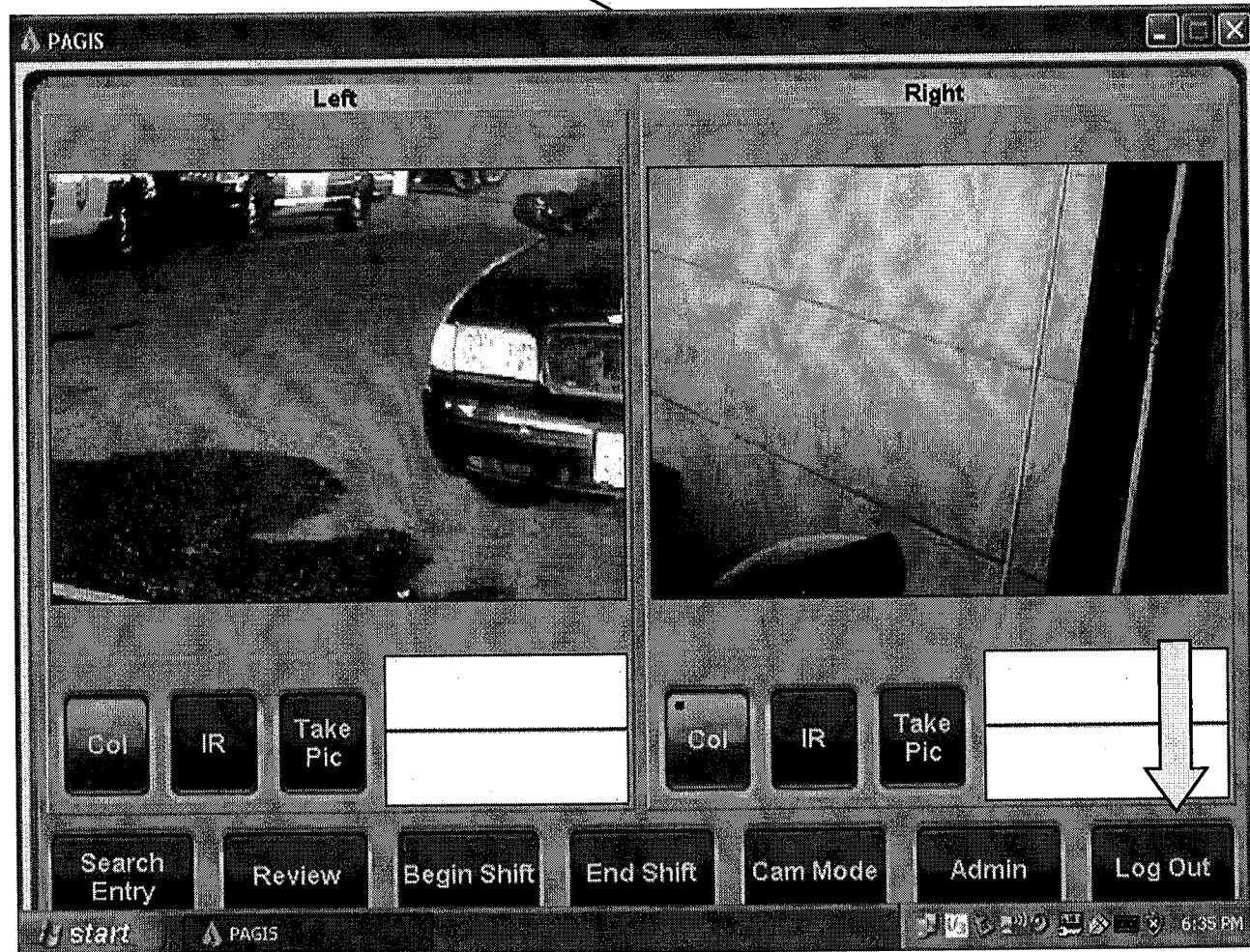


Endshift-Downloading Data



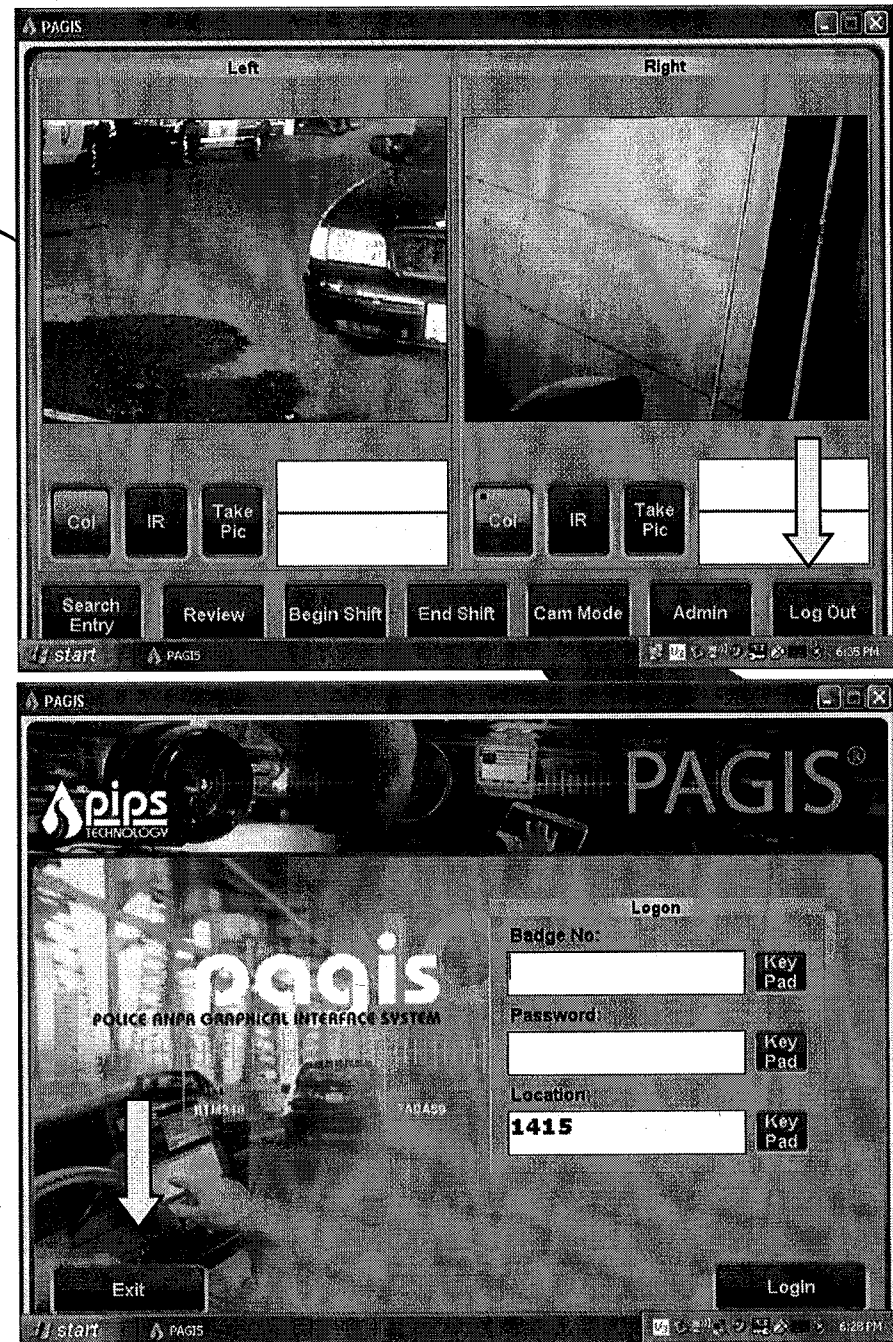
- Computer will download all the plates read to the server
- This may take several minutes depending on the number of plates read

LOGGING OFF PAGIS



LOGGING OFF

- You **MUST** log off PAGIS at EOW
- Hit the “**Log out**” button to log off PAGIS
- Hit the “**Exit**” button to log off the PIPS computer
- Turn off the MDT as normal
- **YOUR DONE!**



Troubleshooting

- If PAGIS doesn't automatically load
- This might occur when you restart the computer during your shift
 - Double click the PAGIS Icon on the remote desktop



Problems with the system

- Contact the ALPR trainer for your watch

Updates and Upgrades

- Updates and upgrades will be made to the system
 - Wanted vehicle data inputted from RMS
 - Each Watch will have a system administrator to assist you with the system
 - You will be notified of upgrades via email – Look for them!

ALPR Demo

demo_PAGIS_LB.wmv

Questions???

