



# PEGASUS

## Video Search and Analytics Software for Moving Platforms

Pegasus is a user-intuitive, metadata free, "visual" search and monitoring tool that instantly analyzes vast volumes of imagery data produced by FMV or WAMI sensor systems. Ideal for aerial or vehicle mounted camera platforms, Pegasus offers powerful "search engine" style capabilities and indexing techniques to accurately locate user-specified objects of interest.

Pegasus leverages advanced computer vision methodologies and artificial intelligence approaches to instantaneously search across extensive video or image libraries for objects and activities most critical to the mission. Similar to text input commonly used for web-type searches, Pegasus offers a simple "crop and click" feature to enable object-specific searches throughout varied video formats (EO, IR) for images within video or residing in stored files.

The screenshot displays the Pegasus software interface. On the left, a sidebar contains navigation options: Open Image, Activity Search, Info, and Alerts. The main window is divided into several sections. The top-left section shows a 'Real-Time Video Stream' of a car driving on a road, with overlaid data including 'RATE 14C', 'AUTO OFF', and various coordinates. The top-right section shows 'Multiple Video Streams Supported', displaying a grid of smaller video thumbnails. The bottom-right section shows 'Results for Objects of Interest across all Video Streams', displaying a grid of search results with a yellow bounding box around a car. A blue callout bubble labeled 'Selected Object of Interest' points to a specific result. At the bottom, there is an 'Imported Videos' section with 'Add' and 'Delete' buttons and a thumbnail of a video frame.

Cognika Intelligence and Defense Solutions is a video analytics and management firm specializing in solutions for defense and commercial security industries. Cognika's cutting edge products are uniquely designed for automated event detection, object classification, forensic and search analyses, and reporting. Focused on cost-effective and user-friendly solutions, Cognika is leading the security marketplace with state of the art offerings that drastically reduce the time and effort required to analyze, manage and search video data.



COGNIKA PERSEUS

Playing: 20110913100738356\_mike.avi 640x480 30 fps

Open Camera  
Open Video  
Open Image  
Activity Search  
Alert On OOI  
Saved Results  
System Info  
Thresholds

00:00:02

Thumbs

2017-03 Vehicle 0188  
2017-03 Vehicle 0189  
2017-03 Vehicle 0185  
2017-03 Vehicle 0183  
2017-04 Vehicle 0179  
2017-04 Vehicle 0178  
2017-04 Vehicle 0176  
2017-04 Vehicle 0175  
2017-04 Vehicle 0174  
2017-04 Vehicle 0173  
2017-04 Vehicle 0172

Exit  
Add  
Delete

The screenshot displays the COGNIKA PERSEUS software interface. At the top, the title bar reads "COGNIKA PERSEUS" and "Playing: 20110913100738356\_mike.avi 640x480 30 fps". On the left is a blue sidebar with icons for "Open Camera", "Open Video", "Open Image", "Activity Search", "Alert On OOI", "Saved Results", "System Info", and "Thresholds". The main area features a video player with two views of a street scene: a larger view on the left with a white van highlighted by a blue bounding box, and a smaller view on the right with the same van highlighted by a red bounding box. Below the video player is a timeline with a play button and a timestamp of "00:00:02". Underneath the timeline is a "Thumbs" gallery containing ten small image thumbnails, each labeled with a date and "Vehicle" number (e.g., "2017-03 Vehicle 0188"). At the bottom left, there are "Exit", "Add", and "Delete" icons.

