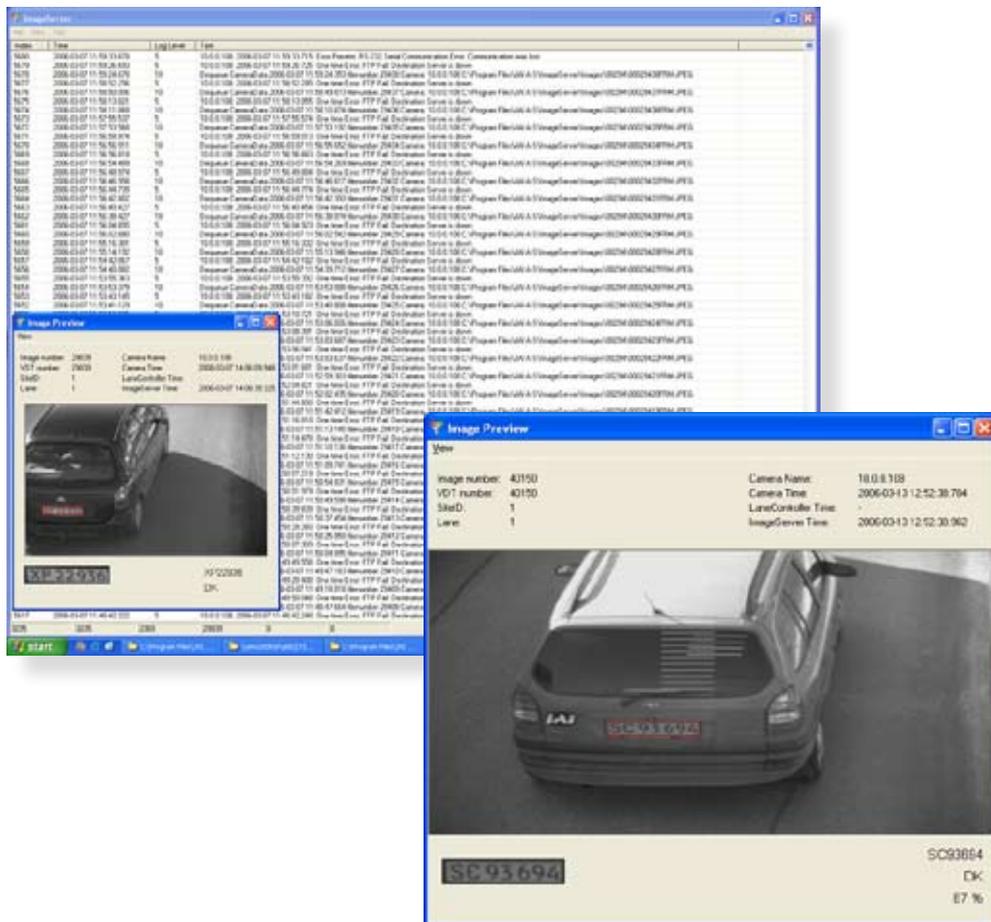


# Image Server



- Collect images from up to 16 cameras or watch folders for incoming image files
- Receive extra information about the vehicle from a lane controller
- Tag processed images with relevant information
  - ImageServer ID, Site ID, lane number
- Tiff or JPEG format
- Combine images into one Vehicle Detection Tag (VDT)
- Plate finding
- Vehicle fingerprints generated and stored in the VDT
- Automatic License Plate Reading (ALPR)
- Send results to a ProcessServer over TCP/IP
- Store results into a database or file folder
- Runs on Window XP or Windows Server 2003

# Image Server

## General Description

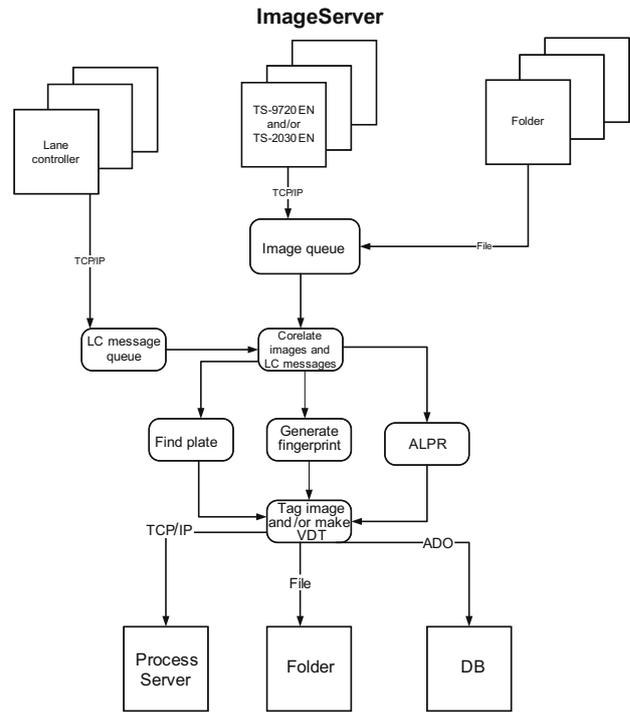
The ImageServer (IS) is designed to be a gateway between the EN cameras and the customer application. The IS can communicate either directly with the EN cameras, or with an intermediate file store which cameras use to store the images. The ImageServer can be configured to do various pre-processing tasks on the images before passing them on to either a file store, database or protocol. This pre-processing can be plate finding, plate reading, fingerprint generation, attachment of lane controller information and/or generating a VDT (Vehicle Detection Tag).

One ImageServer can either collect images from the EN camera or watch a folder for incoming image files. It can do either or both tasks at the same time for up to 16 cameras or watch folders, depending on the PCs performance.

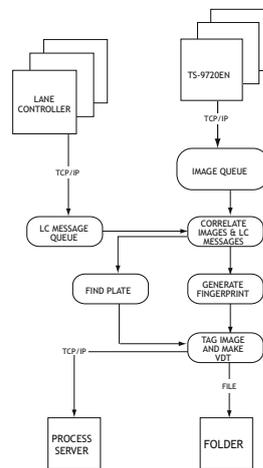
The IS can receive extra information about each vehicle from the lane controller. The information can then be correlated with the image based on a time-stamp in the image and in the message from the lane controller. The lane controller information can be tagged into the image and into the VDT, along with other relevant information such as ImageServer ID, Site ID, and lane number. Tiff or JPEG formats can be use for images/tagging.

This ImageServer output is a VDT in the form of an XML file, and one or more images tagged with information (optionally including an image of the license plate). The IS runs on a Windows XP or Windows 2003 Server PC. It can run as a Windows service or as a normal application.

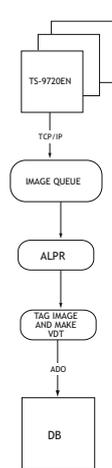
## Set-ups



### ImageServer Enforcement Application



### ImageServer ALPR to DB



JAI is the world leader in high-performance vehicle imaging technologies that target the specific needs and concerns of roadway operators and transit authority executives. JAI delivers advanced real-world proven lane hardware and software that delivers superior performance. We also offer products and services to reduce back-office enterprise processing costs. No other industry provider can compete with our breadth of uniquely tailored products such as high speed vehicle capture (0-200 MPH), license plate reading (LPR) combined with vehicle fingerprinting, delivering patented video billing products, and specific homeland security services.

Working together with our valued system integrator partners around the world, JAI has delivered more than 20,000 vehicle imaging cameras and systems devoted to the electronic tolling collection, speed enforcement, parking lot systems, and Homeland Security markets. JAI manufactures core imaging cameras and vehicle imaging products and services for worldwide traffic industry partners.

**Europe, Middle East & Africa**  
Phone +45 4457 8888  
Fax +45 4491 8880

**Asia Pacific**  
Phone +81 45 440 0154  
Fax +81 45 440 0166

**Americas**  
Phone (Toll-Free) 1 800 445 5444  
Phone +1 408 383 0300



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