

JetStream JetStream eam JetStream JetSt

A guide to building intelligent communicating
ANPR Systems using JetSuite Software



JetStream

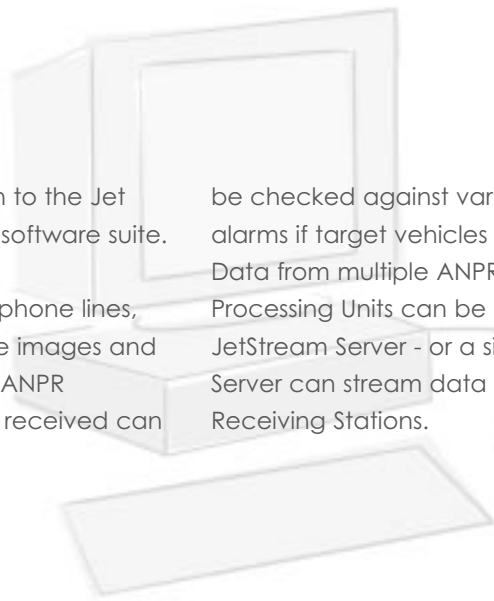


JetStream is a communications plug-in to the Jet Automatic Number Plate Recognition software suite.

Operating across LANS / WANS or telephone lines, JetStream allows vehicle Number Plate images and data to be streamed to other remote ANPR workstations where the real-time data received can

be checked against various databases - sounding alarms if target vehicles are identified.

Data from multiple ANPR Workstations / Remote Processing Units can be received by a single JetStream Server - or a single ANPR Workstation or Server can stream data to multiple JetStream Receiving Stations.



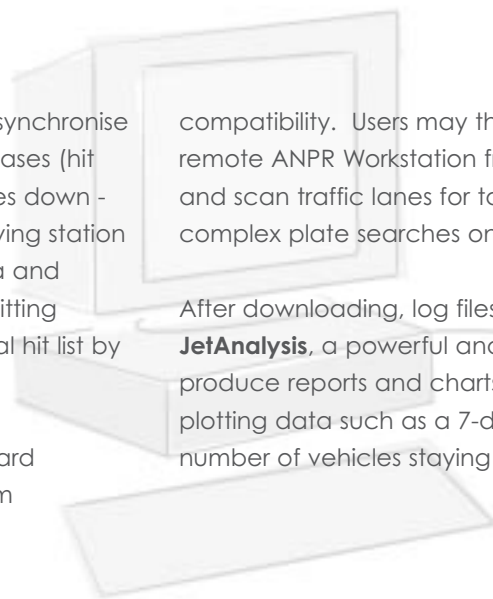
"The flexibility of JetStream means that a systems integrator can now build a large, intelligent communicating ANPR system using standard components from CitySync."

Two JetStream modules can be used to synchronise remote ANPR log files and vehicle databases (hit lists). This means that if a comms line goes down - or a PC is switched off, the remote receiving station will catch up with the number plate data and associated images captured. The transmitting ANPR workstation will then modify it's local hit list by synchronising with the remote.

All JetStream modules are industry standard IP addressable for ease of use and system

compatibility. Users may therefore log on to a remote ANPR Workstation from their office or home - and scan traffic lanes for target vehicles - or perform complex plate searches on received log files.

After downloading, log files may be processed using **JetAnalysis**, a powerful analytical tool that can produce reports and charts of traffic patterns plotting data such as a 7-day bar chart of the number of vehicles staying overnight in Car Park 1a.



JetStream in Action

Scenario 1 - One to One Connection

A cheque processing centre has a gatehouse with 2 lanes. JetBase Live is used to recognise plates, open barriers and log vehicle movement times. The system has audible alerts which are activated when suspect vehicles or ex-personnel approach.

JetStream transmits the live data to the security manager who can monitor gatehouse vehicle activity. The manager has his own white list of important visitors, employees, contractors etc. Alarms sound on his machine when such vehicles approach.



Scenario 2 - Many to One Connection

A large pharmaceutical headquarters is spread out over three buildings - all with manned gatehouses. JetBase Live is used at all gates to monitor traffic, recording images of visitors and staff movements and sounding alarms.

JetStream transmits all data to a central server also running JetLive in the main security building. Here, all the alarms are sounded in one place and when a hit occurs, JetLive transmits an SMS text message to the security manager's phone. He can subsequently search the log files for certain vehicles using JetBase Review. Images, data and entry / exit times are instantly displayed.



Scenario 3 - One to Many Connection

A food distribution centre receives 180 HGVs per day. All have to be directed to the relevant loading bays. JetBase Live recognises pre-booked vehicles, opens the barriers & controls a large LED sign which automatically directs them to the correct bay.

JetStream transmits the data to the site manager's office where it can be searched for vehicle arrival times, loading times etc.

JetStream also transmits the data to a workstation in the warehouse manager's office. Here, alerts are sounded when a vehicle arrives and goods are prepared.

JetAnalysis can print graphs of vehicle stay-times.



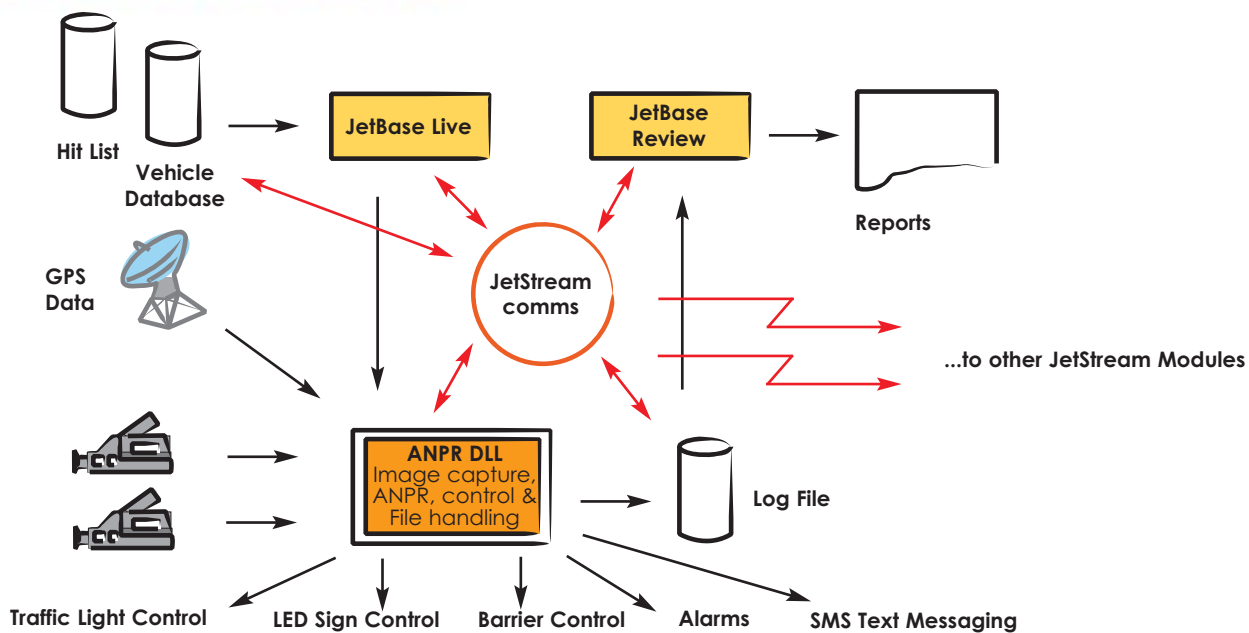
Scenario 4 - Many to One & One to Many Connection

A busy international airport with a high level of security has eight entrances to be monitored by 4 authorities: Police, Customs, Immigration & Airport Security.

JetStream and the ANPR DLL run on 4 ANPR processing PCs (no need for JetBase). Data is streamed to a centrally located PC also running JetStream. This in turn streams the almost-live data to the 4 remote receiving PCs where the various authorities use their own hit lists to generate alerts and their own log files.



JetStream Connections



Example of how JetStream can be used to build a system

- To monitor a number of remote stations on one server, this can be via a network or telephone line.
- To send data from one station to another.
- To output data from one station to another via Jet Live or JetBase Live.
- To output JEX Data (Jet Export) from one station to another.
- To output a Log file from one station to another.

The Power of the resulting system can be considerable:

ANPR workstations can each process up to 200 vehicles per minute and a Receiving ANPR Server can accept almost 800 vehicles per minute depending on network bandwidth.

In a typical example, say a busy port, 30 ANPR workstations might each recognise and process 20 vehicles per minute at peak. A JetStream Receiver would therefore accept and collate 600 vehicles per minute - giving a continuous throughput of 864,000 vehicles per day.

DO NOT TAKE OUR WORD FOR IT

- CONTACT **CITYSYNC** TODAY TO ARRANGE A DEMONSTRATION OF ANY OF THE **JET ANPR** PRODUCTS.

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