

Tenix Solutions

SAFER. FAIRER. SMARTER.

NOVA Evidence

• CONSULTING • TECHNOLOGY • OUTSOURCING



Tenix Solutions NOVA Evidence Product Overview



Tenix Solutions presents NOVA Evidence, a comprehensive evidence management software system designed specifically for high volume detection programs, providing the robustness and integrity required by road traffic camera operations.

NOVA Evidence maintains a complete audit trail from the deployment of cameras to registered sites, through to the review of generated images, and final acceptance of prosecutable incidents. It includes tools to improve accuracy and productivity, increasing the overall quality, reliability and credibility of enforcement programs.

Built on the industry leading Microsoft .NET platform supported by SQL Server, NOVA Evidence ensures that integration is achieved with a minimum of fuss. With a flexible workflow and configuration engine driven by Microsoft BIZ Talk, alignment to business rules, legislative frameworks and operational parameters has never been easier.

NOVA Evidence - A Snapshot

- Interfaces to any existing road safety camera network or as part of an end-to-end road safety strategy
- Includes established interfaces with leading camera systems including Robot, Gatso, Redflex and ATS
- Compatible with any camera system and accepts all types of evidence
- Highly robust security architecture, ensuring that original evidence is tamper proof
- Configurable workflow engine to support the modification of business processes, to easily align to legislative and operational frameworks
- Multiple image review steps ensure quality and integrity of enforcement programs
- Built-in Automated Number Plate Recognition to increase the efficiency of operations
- Offered as a managed service or an in-house solution

Configurable Workflow – Flexible and Adaptable

NOVA Evidence contains a built-in workflow engine, providing the ability to actively manage and prioritise the processing of incidents in each of the workflow steps. NOVA Evidence supports multiple independent reviews of incidents, and ensures that verifiers are unable to see the results of earlier reviews, maintaining the highest levels of integrity.

Managing Performance - Real Time

NOVA Evidence's real time processing dashboard provides users with:

- An overview of every step in the verification process, broken down by incident and device type
- A clear illustration of the number of incidents to be verified in each work queue
- Performance statistics tracked to key service measures
- The ability to make rapid decisions to maintain desired performance levels in real time.

Protection of Evidence

Data security is critical when managing evidentiary data. NOVA Evidence enforces a strict protocol that guarantees digital evidence is tamper proof. All original encrypted data is stored in a secure archive, ensuring a complete evidence trail is available at all times. Digital images can be compressed by the system to speed the retrieval process for faster throughput of processed images, and to decrease overall storage requirements.

Automated Number Plate Recognition – Increasing Processing Efficiency

NOVA Evidence contains built-in Automated Number Plate Recognition (ANPR) technology. ANPR operates on all images loaded in to the system with a success rate of over 80% across images from a variety of camera set-ups; day or night, wet or dry conditions, and for different plate colours and formats.

NOVA Evidence enables the ANPR tool to be focussed on a particular area of an image on a camera by camera basis. This ensures optimal results are returned regardless of the camera model or set-up.

Image Review – Prosecutable Quality

NOVA Evidence ensures images captured by the camera are of sufficient quality for prosecution, providing the ability to:

- View the images in full screen views
- Zoom-in to portions of the image for closer inspection
- Change the brightness, contrast and gamma ratios for cut-outs
- Print a full sized colour view of the primary image for closer inspection.

These features have been designed to increase prosecutability, and accuracy rates and throughput of the verification process.

Data Validation – Integrity From End-To-End

NOVA Evidence allows reviewers to apply various overlays to the primary image to determine whether or not the offending vehicle is within the correct position for prosecution. These are configured on a site-by-site basis.

NOVA Evidence provides three different types of image overlays:

- Vertical beam markers to show the area of the image the radar beam functions within
- Road overlays - straight lines showing the area within which the car should be
- Bore-sight overlay - a round overlay showing the point that the camera is focussed on.

These can all be used to pinpoint the detected vehicle in relation to others in the image and confirm the offending vehicle is within the detection zone of the camera.

A Flexible Reporting Engine

NOVA Evidence is supported by the industry leading Crystal Reports, a powerful reporting engine that ensures vital processing statistics are available in real time, to help drive operational efficiencies.

NOVA Evidence's flexible reporting interface allows you to customise reports to display as little, or as much information as you like.

Offence Data Interfaces

NOVA Evidence interfaces with a variety of sources to generate a full set of required data. The camera will provide all of the incident data including; images, camera location identifier, direction of travel, detected speed and the speed limit (for speed incidents), elapsed time into red lights, lane number, date and time of offence, a unique identifier for the image, and an offence type and data on the detected vehicle, such as its wheel base.

Delivering Flexibility

NOVA Evidence is offered as a managed service or an in-house solution. Whether you opt for managed services for rapid deployment and lower total cost of ownership, or an in-house implementation backed by our expert team of consultants, you will benefit from Tenix Solutions' best practices and expertise in supporting software for compliance programs.

Tenix Solutions Pty Ltd (Headquarters)

Level 5, 277 William Street
Melbourne Victoria 3000
Australia
Telephone +61 3 9200 8000
Facsimile +61 3 9200 8999
tenixsolutions@tenix.com
www.tenixsolutions.com