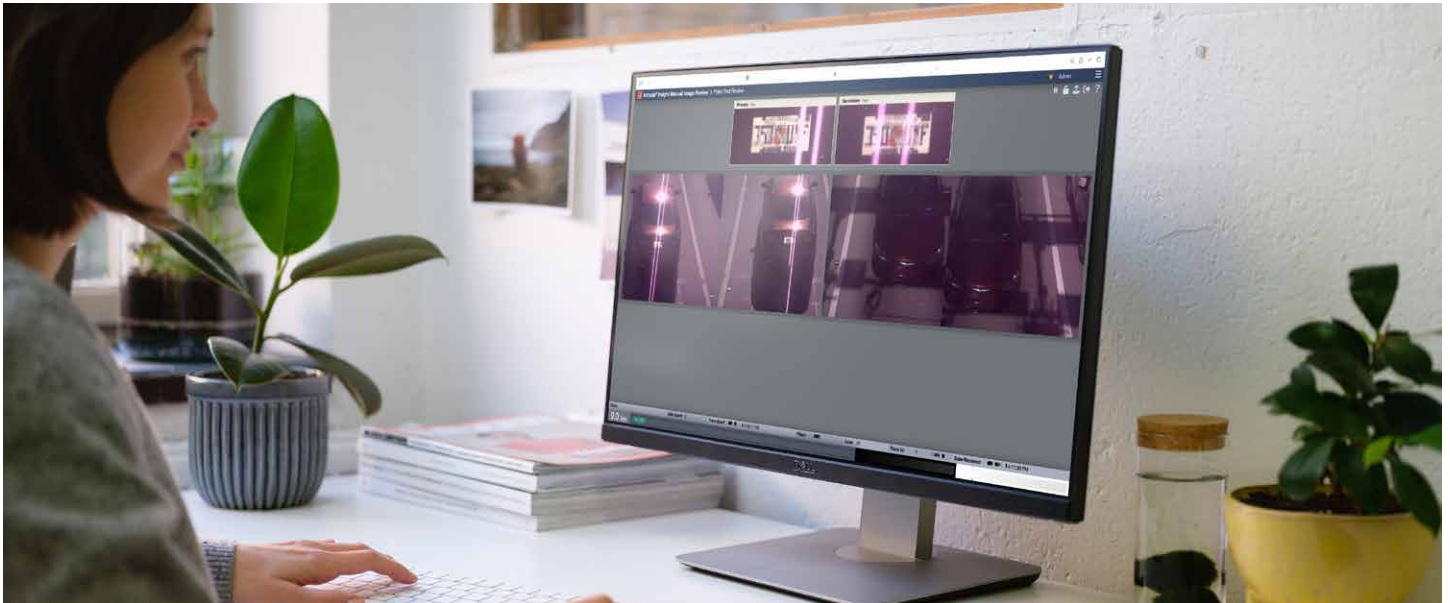# INTRADA® INSIGHT

END-TO-END VIDEO TOLL TRANSACTION PROCESSING

OVERVIEW

Intrada® Insight is an end-to-end video toll transaction processing and review solution for video-based electronic toll collection.

From image capture to actionable reporting, Intrada Insight uses multilayered technology to lower video toll read error rates and operating expenses while increasing accuracy and revenue.

Intrada Insight combines superior automatic image review (AIR) with a novel manual image review (MIR) process that increases operator efficiency and limits chances for human errors to achieve higher levels of performance.

The system turns a partial or misread license plate into a learning opportunity featuring advanced technologies like machine learning, trusted fingerprinting, and multi-engine analysis for grammatical reading.

Collaborating technologies converge in Intrada Insight to lessen operational expenses while providing a scalable, easy-to-use solution for projects of any size and scope.

BENEFITS

- Lower operating expenses and maximize revenue with unmatched automation rates at industry-leading read accuracy levels

- Reduce billing errors, leakage, and manual review time

- Limit operator errors and boost efficiency

- Monitor health and service levels of all operations

- Support remote teams and 300+ users with custom access rights

- Integrate with any camera, back office, and vehicle registration system

- Manage data streams for multiple uses and regulate network traffic for optimal topology and bandwidth usage

≥ 99.95% read accuracy

Multilayered tech solution

Low OPEX and maximum revenue

Machine learning + deep neural network

Q FREE

END-TO-END PROCESSING

- Machine-learning deep neural networks help power efficient, accurate reading and processing
- Integrated automated/manual image review with verification feedback loop for a self-learning system
- Patented Grouping process increases automation by leveraging multiple sightings along a toll network

ALPR/OCR ENGINE

- Worldwide support and proprietary character recognition ensure accuracy even in adverse conditions
- Single-point reading available for law enforcement (LENS), Amber alerts, and other instant-read uses
- Comprehensive vehicle class, make, and model identification
- Active plate library with 160 states and countries updated continually for new and specialty plates
- Machine Vision unique plate object processing for accurate reads

MIR MANAGEMENT

Reduce review time and operator errors over traditional MIR.

- License plate syntax issues identified prior to manual review with grammatical reading
- Manual verification is fed back into the system for self-learning, improving system accuracy over time
- Multi-queue and double-blind entry
- Allow remote teams with custom access rights while supporting >300 concurrent operators
- Vehicle signature recognition creates a unique 'fingerprint' to automate manually-reviewed vehicles

REPORTING

Monitor the health and service level of all facets of operations with custom, actionable performance and system reports.

- Real-time insights into traffic flow and toll usage
- Dashboards
- Troubleshooting
- Roadside health monitoring

MIR USER AUDITS

- Monitor individual reviewers' performance
- Analyze staff accuracy and efficiency
- Track quality and errors in passages sent for review
- Review audit performance

SECURITY

Intrada Insight is compliant with industrial standard directives on data security.

- NIST SP 800-53
- ISO 27001
- CSA Cloud Controls Matrix
- FIPS 140-2

STANDARD FEATURES

- Web-based deployment with a responsive user interface accessible from any modern smart device
- Scalable, expandable network – accommodate volume increases, intermittent backlogs, and road extensions
- Vendor agnostic – integrate with any camera, back office, and vehicle registration system
- Customizable business rules and logic integrate with existing systems, processes, and third-party interfaces
- Multiple user accounts with separate rules, performance, and reports
- Evidence pack/dispute handling for enforcement and billing support
- Advanced data stream handling and splitting for multiple back-office reports
- Download and bandwidth service to optimize network bandwidth and data transfer

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