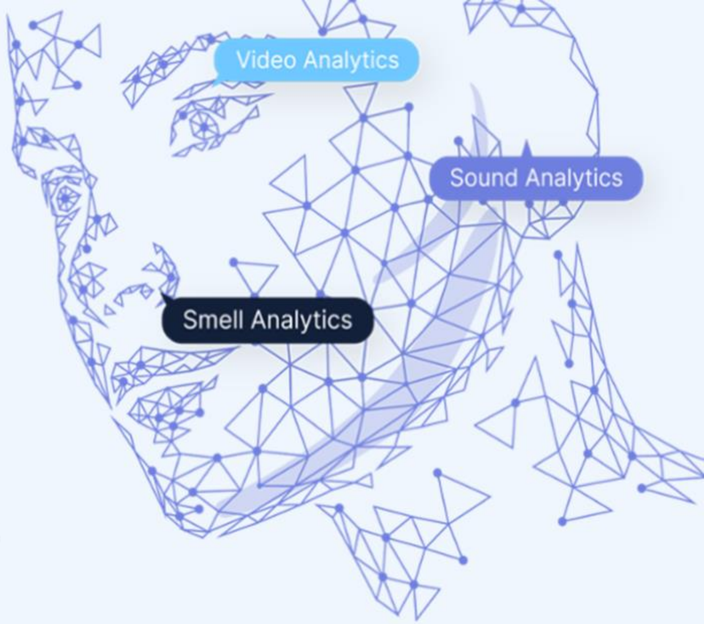
Smart Policing



iOmniscient

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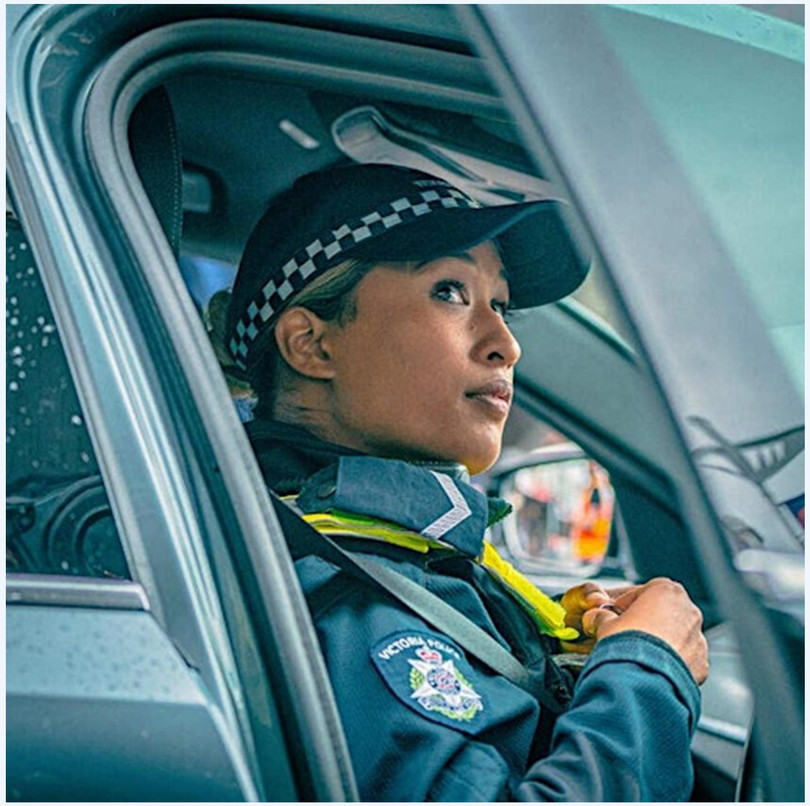
Introduction

- **The Complexity of Policing**
  - Policing is a multifaceted task involving diverse, urgent situations
  - It covers everything from handling traffic accidents to apprehending criminals

- **iOmniscient’s Solution**
  - iOmniscient provides an integrated suite of law enforcement technology
  - These systems enhance police productivity and improve citizen service

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Police Surveillance



- Full Privacy Protection for citizens
- License Plate Recognition
- Vehicle Make and Model Detection
- Anonymized tracking of individuals
- Driver Match – matching vehicles with drivers
- Mobile Surveillance units
- Use of drones for autonomous surveillance
- Searching for individuals or vehicles on social media
- Awareness of who is present in Domestic Violence call-outs

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Managing Crowds



- Understand the size of crowd
- Understand changes on crowd flows
- Efficient Long-Distance Recognition
  - Identifies Persons of Interest at 20-30m distances using standard 2MP cameras
  - Operates effectively without the need for expensive GPU hardware
- Full Privacy Protection for citizens who are not under surveillance

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Traffic Management



- Speed Monitoring
- Red Light Violation
- Detection of use of Mobile Phones
- Detection of use of seat belts
- Vehicles travelling in an illegal direction on the road
- Detection of cyclists or pedestrians on Motorways
- Parking infringements

Law Enforcement

- Tracks vehicles by license plate, make, or model
- Matches drivers to vehicles
- Identifies associations between people and vehicles

Surveillance

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Applications



Missing Persons Search

- Locates missing children and elderly persons in crowds without requiring photos
- Searches for missing children across social media and other platforms

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iOmniscient & intel

Partnership

All iOmniscient Products run exclusively on Intel based computing hardware using OpenVINO™

- The use of Advanced AI technology that goes beyond Deep Learning enables iOmniscient to run its systems without the need for 3rd party GPUs.
- This reduces the power required by a factor of 16 – resulting in a 16-fold reduction in the carbon footprint.
- This is just one part of a multi-faceted program to help customers to implement Sustainable Systems.

www.iomni.ai

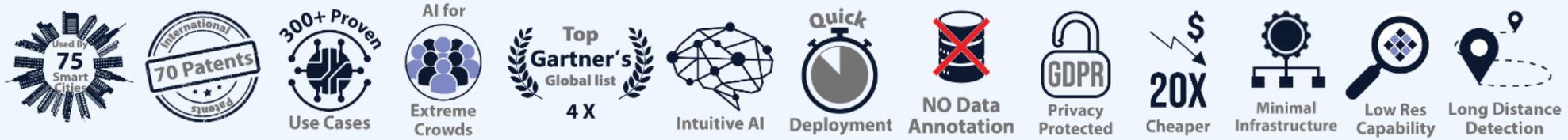
enquiries@iomni.ai

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About iOmniscient

- iOmniscient is an **Ethical AI** company.
- It offers **multi-sensory (video-sound-smell) Artificial Intelligence based analytics for Autonomous Systems.**
- It focuses on ensuring **Outcomes** for its customers.
- With **over 2 decades of experience,** iOmniscient systems have been demonstrated to be **robust,** operating with high accuracy and few false alarms specially in **complex and crowded** environments.
- By design, its systems **reduce the cost of infrastructure** required:
  - they can use existing cameras
  - they require fewer cameras with lower resolution
  - they require 90% less storage and network bandwidth
  - they are computing light and require no GPUs
  - they allow autonomous operations requiring fewer personnel to operate
- iOmniscient has implemented projects in **70 countries.**
- With over **70 international patents** many of its capabilities are unique and unavailable from any other source.





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