iOmniscient

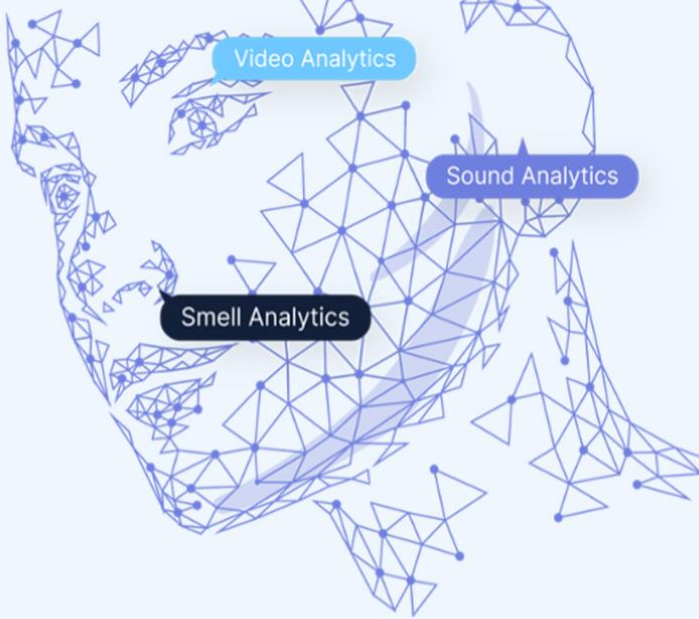
Intelligent Banking

The iQ-Bank system
for branches, ATMs and headquarters



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The Challenge

Banking is about building trust through excellent service in a safe environment.

Current Challenges

- Branches, ATMs and headquarters all need round-the-clock safety and security
- Skimming devices, coercion and fraud threaten customer trust
- Card- or database-based attendance and access can be lost or stolen
- Control rooms require significant staff to monitor multiple sites

Why iQ-Bank?

iQ-Bank helps you implement Preventive Measures, provide Alerts when an unexpected incident occurs, and enable a Rapid Response to mitigate the situation — all focused on the outcomes that matter to your bank.



Traditional Branch Security vs iQ-Bank

A smartphone becomes the control room.

Traditional Approach

- ✗ Card or database-based access control
- ✗ Manual monitoring for skimming and fraud
- ✗ Large, permanently staffed control rooms
- ✗ Reactive response after losses occur

iQ-Bank

- ✓ Databaseless, two-factor access management
- ✓ Automatic skimming device & vandalism detection
- ✓ Smartphone becomes the control room
- ✓ Nearest responder alerted with an exact action to take

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Achieving Outcomes

Purpose-built outcomes across retail branches, ATMs and headquarters.

Retail Operations

- Slip & fall detection with instant response
- Cleanliness & fire-extinguisher checks
- VIP recognition on arrival
- Overcrowding & peak-time insight

ATM Security

- Skimming device detection & re-identification
- Face-based transaction authentication
- Coercion detection (two-person check)
- Graffiti & vandalism detection

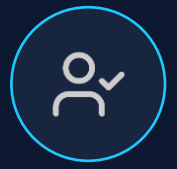
Headquarters & Overall

- Fever detection & evacuation management
- Databaseless multi-site access
- Parking management
- Gunshot & commotion detection

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Key Features

Advanced multi-sensory analytics (video, sound & smell) for banking.



VIP & Attendance Recognition

Welcomes premier customers and manages staff attendance without access cards.



ATM Skimming Protection

Detects skimming devices and identifies who placed them, wherever they resurface.



Incident & Commotion Alerts

Detects gunshots, fights or other commotion and alerts the nearest responder.



Databaseless Access

Two-factor authorized access across multiple facilities without an external database.

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How It Works

Example: an ATM skimming device is detected.

1

1. Detect

A skimming device is placed on an ATM.

2

2. Identify

The system identifies the person who placed the device.

3

3. Alert

The nearest responder is notified with the exact location.

4

4. Track

If the person reappears at any ATM or branch, the system alerts again.



Why iOmniscient

The technology advantage behind every iOmniscient deployment

Cost Effective

Uses existing CCTV infrastructure with lower-resolution, fewer cameras. No GPUs required, 90% less storage & bandwidth, and no large control room — a smartphone becomes the control room.

Autonomous Response

When an event occurs, the system automatically finds the appropriate responder and tells them exactly where to go and what to do.

Privacy Protection

All iOmniscient systems are privacy protected by design. Privacy is never compromised, even while the system stays aware and raises alerts for safety issues.

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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

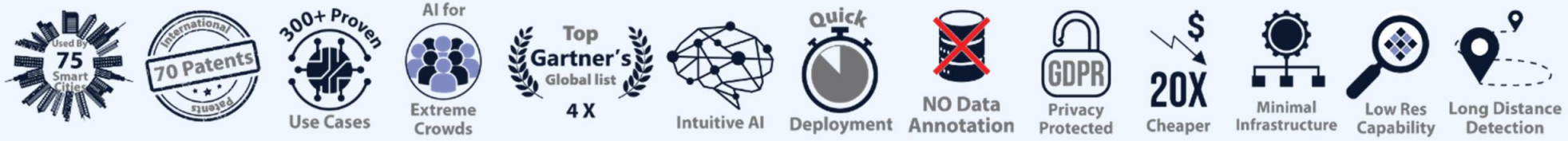
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About iOmniscient

- 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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