iOmniscient

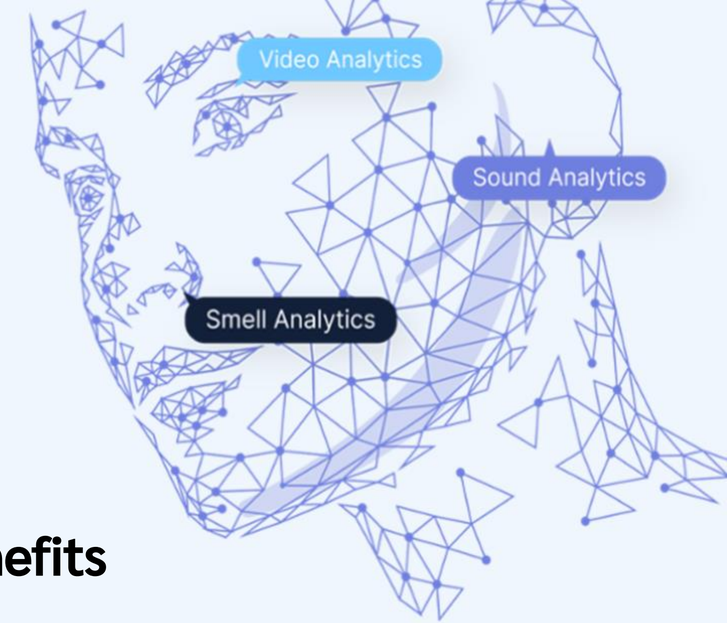
iQ Banking
ATM Fraud Detection

Detect fraud, coercion and physical attack



iOmniscient

Table of Contents



1 Data Skimming Detection

2 Coercion at the ATM

3 Cash Stocking

4 Physical Attack

5 System Benefits

6 Bank Deployments

7 About iOmniscient

Click a number and go to the page

iOmniscient

Data Skimming Detection

Detect concealed devices and identify who installed them



CARD DATA THEFT

Skimming devices extract details from cards inserted into the ATM.

CONCEALED DEVICES

Detect small skimming devices designed to blend into the ATM, even when they are difficult to see.

INSTALLER IDENTIFICATION

Identify who installed the device, even if it was placed some time earlier.

iOmniscient

Alert Across the Network

Recognize a repeat attempt

Share the suspect’s face

CAPTURE

Capture the face of the person who placed a skimmer.

DISTRIBUTE

Automatically share the captured face image with personnel across th e network.

ALERT

Raise an immediate alarm if the same person attempts to install anot her skimming device at a different ATM.

iOmniscient

Coercion at the ATM

A visible trigger for an immediate alert

TWO PEOPLE AT THE ATM

RISK

An armed criminal may force a customer to withdraw money.

ALERT

The system raises an alert if two people are visible at the ATM.

iOmniscient

Cash Stocking

Check the required two-person practice

COUNT PEOPLE IN THE CASH AREA

TWO PRESENT

Banks normally have two people present duri ng cash stocking to prevent fraud.

ONE ALONE

Raise an alarm if a person is alone in the cash stocking area.

iOmniscient

Physical Attack

Damage and movement trigger immediate alarms

Alarm when the ATM is attacked

DAMAGE

Detect physical damage or an attempt to break open the cash box.

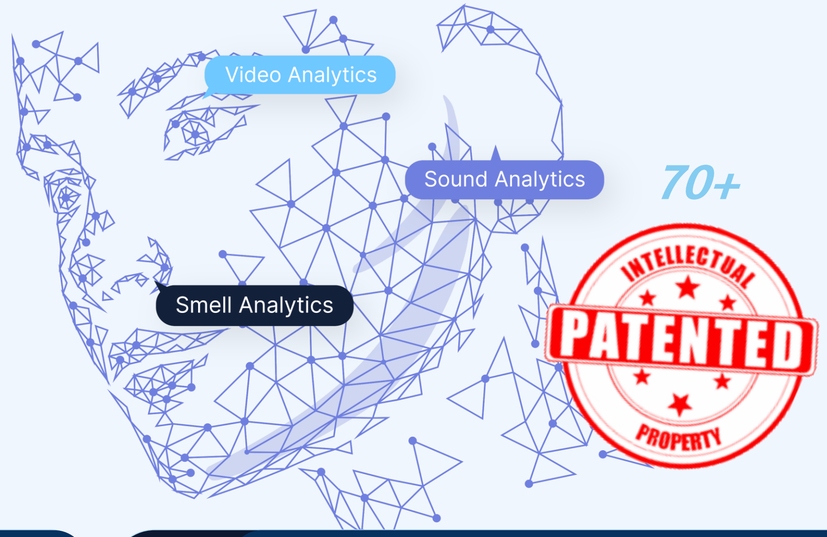
MOVEMENT

Alarm if thieves move or try to steal the entire ATM.

iOmniscient

System Benefits

Advanced Multi-Sensory Analytics – Video, Sound, Smell



01 COST EFFECTIVE

Uses existing
CCTV infrastructure

No GPUs
16×↓ carbon footprint

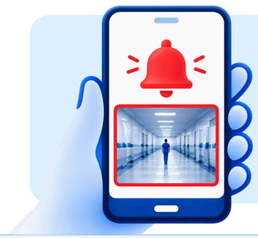
Fewer cameras
Lower-resolution cameras

90% less
Storage and network bandwidth

02 AUTONOMOUS RESPONSE

Detect › **Find** › **Respond**

When there is an event,
the system can find the appropriate responder and tell them where to go and what to do.



They do not require a large control room environment – **a smart phone becomes the control room.**

03 PRIVACY PROTECTION

All systems are privacy protected.

Privacy is never compromised even though the system is aware and can raise alerts for all issues.

iOmniscient

Bank Deployments

Banks using iOmniscient systems to protect their ATMs

OCBC Bank



Qatar International Islamic Bank



BNP Paribas



Krungthai Bank



©2026 iOmniscient Corporation

About iOmniscient

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

©2026 iOmniscient Corporation

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.





iOmniscient