GOLDENAI

TECH TO PROTECT

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Advanced AI Smart City Computer Vision Solutions

Plus the Worlds First Socially Connected Security Platform

Powered by **VSBLTY**

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Real-Time Alerting for Security Threats

Computer vision technology is revolutionizing security and public safety in both military/defense and smart city contexts. This powerful technology enables real-time monitoring and analysis across urban environments, providing enhanced situational awareness and security measures.

VSBLTY's innovative solutions harness the capabilities of computer vision to keep communities safe. By leveraging advanced AI and machine learning algorithms, the GoldenAI solution can detect potential threats, recognize faces, and identify weapons - all in real-time. This empowers security personnel to respond quickly and effectively to emerging incidents, enhancing overall public safety.

Whether deployed in military operations or integrated into a city's infrastructure, GoldenAI's computer vision-powered solutions are transforming the way we approach security and surveillance. From monitoring critical facilities to patrolling public spaces, these technologies provide a comprehensive, data-driven approach to threat detection and incident prevention.

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Smart City Security Solutions

VSBLTY'S THREE UBIQUITOUS SOFTWARE MODULES

DataCaptor™

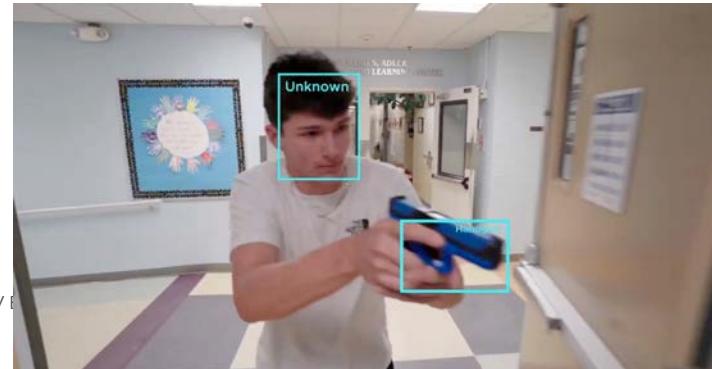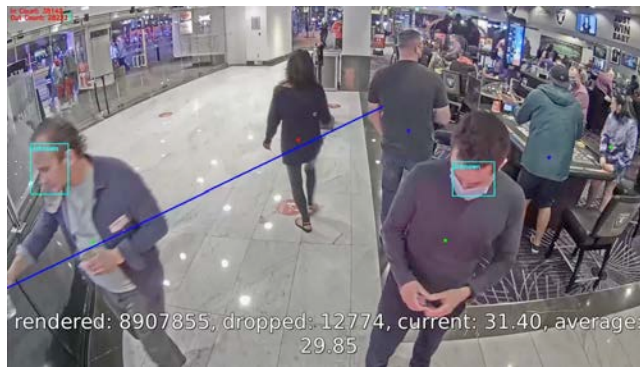Real-time audience measurement and shopper analytics with performance dashboards .

VisionCaptor™

Interactive brand engagement at point of sale. Elevating the in-store experience for consumers, retailers, and brands.

VSBLTYVector™

Intelligent security software, facial recognition, and weapons detection.

Smart City Use Cases for Computer Vision

FACIAL RECOGNITION *(Looking for people with blacklist/whitelist)*

Strengthen security measures

    a) Perimeter Control (FOB)

    b) Access Control

    c) Counter Terrorism (identity)

OBJECT RECOGNITION *(looking for objects – rapid model development for immediate ingestion/inference)*

Identifying threats in real time and enhancing physical security

    a) Threat assessment

    b) Inventory Management

    c) Operator Safety

    d) Behavioral analysis

    e) Critical Infrastructure Protection

    f) Drone Integration – autonomous threat detection

SURVEILLANCE AND MONITORING

    a) City Surveillance

    b) Border Management (QRF)

Smart City Use Cases for Computer Vision

Integration With other data sources
- Predictive Analysis

Anomaly Detection:
- Enhanced Surveillance

Behavior Analysis:
- Early stages but promising category of development
- Micro analysis

Facial Recognition for pre-emptive alerting (Access Control/In the wild)

Traffic Pattern Analysis: Real time and predictive
- Vehicle recognition/LPR

Crowd Dynamics/Behavior
- Macro analysis

Object Recognition
- Automated threat detection

Integration with drone computer vision

Examples of Capabilities Based on Previous Applications

Use Cases	Supported	Additional Considerations
Facial Recognition	YES	Requires integration with biometric database
Vehicle Identification/Classification	YES	Camera Placement dependent
License Plate Recognition (LPR/ANPR)	YES	Regional library specific (Brazil)
Virtual Fence	YES	Can be used for persons or vehicles (perimeter detection or wrong way traffic detection)
Counting/Distribution	YES	Vehicles or persons
Turnover Analysis	YES	
Object Left behind	YES	Scene analysis/anomaly detection
Identification of incidents on road	YES	Accident detection
Vehicle Flow Analysis/Heat Map	YES	Variant of flow and traffic analysis

Examples of Capabilities Based on Previous Applications

Use Cases	Supported	Additional Considerations
Weapons Recognition	YES	Camera Placement dependent
E911/PSAP integration	YES	Camera Placement dependent
Drone Integration	YES	
Crowd Behavioral Analytics	YES	Used for public safety applications and integration with Real Time Crime Center (RTCC)

Opportunities for Monetization

Use Cases	Supported	Additional Considerations
Delinquency detection	YES*	Integration with municipal database for fines enforcement
Signals Intelligence data gathering	YES*	Passive collection of mobile phone and visual integillence data. Monetized by selling bulk and anonymized data to buyers
Street Level digital display	YES	If the concession can be broadnedd to include digital display at street level. Varrious form factors supported complemented with auideince measuremtn for enhanced value

Safety and Security Solution

VSBLTY VECTOR software offers a proven solutions that optimizes machine learning to provide a continuous 360° view of the field of operations to detect suspicious behavior, weapons, objects of interest, and unattended packages**. The software acts to augment SOC and to relieve the direct monitoring expense.**

What We Do:

- Early Disaster Warning
- Object and Weapons Recognition
- Suspicious Package Alert
- POI ability to Detect and Provide Notification
- Live Environmental and Air Quality and Pollen Notifications
- License Plate Recognition
- Image Enrollment – Unique Identifiers
- Crowd Analytics/Behaviors
- Smoke/Fire Detection
- Smart Search
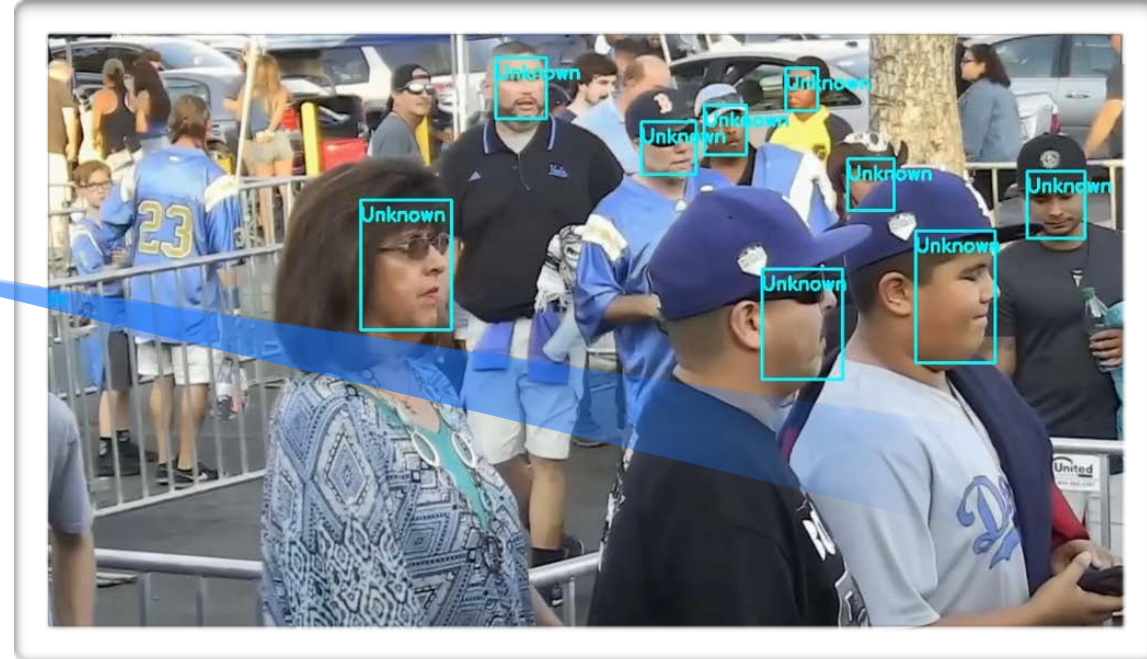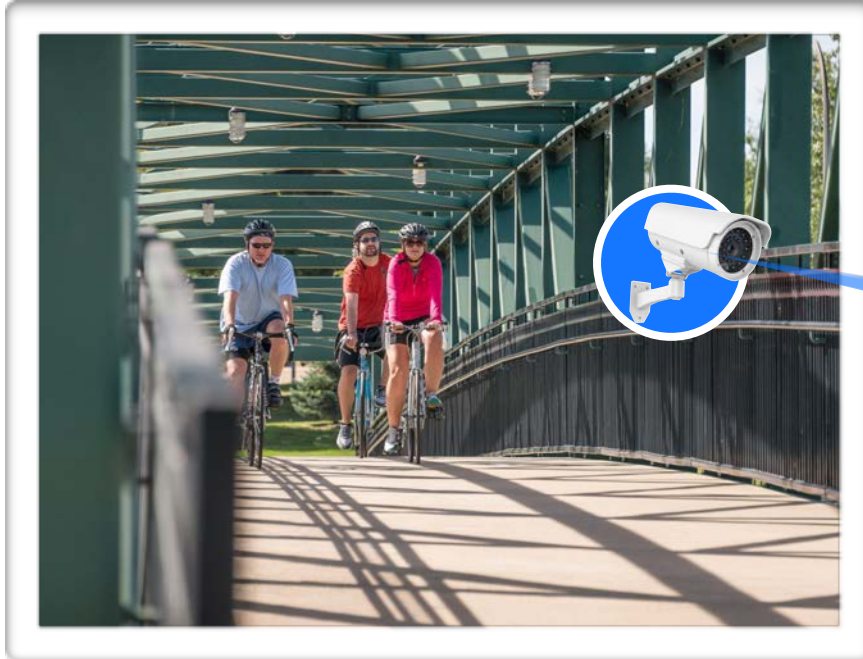- Geofenced Floor-planning for Secure Perimeter Setup

Facial Recognition Security

Facial Recognition

PLAYVIDEO

LPR, Object Recognition, Facial Detection

PLAYVIDEO

Use Case

- Algorithms would provide alarm for known assailants entered into the database to look for based on previous robberies, personnel on Police "wanted" lists, as well as people that have previously stolen property or committed crimes in the stores, etc...

- Capture images and information for first time offenders to help Police identify who the individuals are and catalogue for future reference

ARTIFICIAL INTELLIGENCE | SECURITY | ADVERTISING | ANALYTICS | SMART CITIES PLATFORM

Weapons Recognition
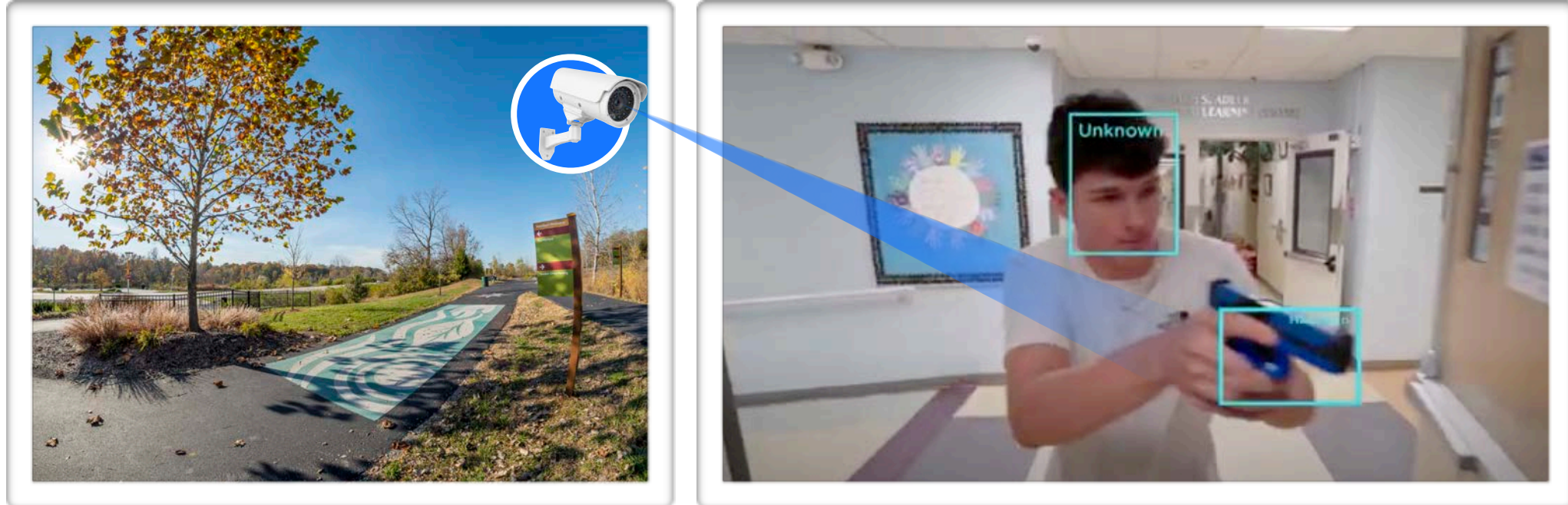
Use Case

- Algorithms trip and provide alarm to monitoring location to signal pharmacy operator, owner and police that weapons have been brandished at the location. This notification can provide critical time to allow the store operator the alert customers and employees to seek safety, sound alarms, lock doors and seek safety behind locked doors.

- Notification sent to Police to respond to the location based on weapons being brandished.

- Depending on the # of pharmacies in the local area this same signal may be sent to a central location and then that info can be shared with other locations to be on the lookout for robbers and provide additional "heads up".
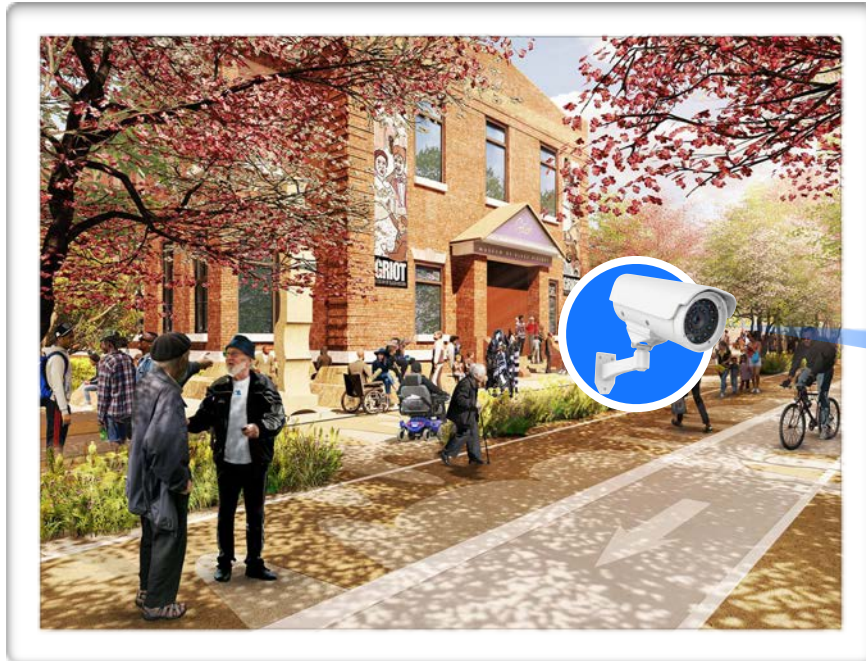
License Plate Recognition

Use Case

- Provide rapid identification of vehicle make/model/color/license plate info for cars used by "bad actors".

- If there are patterns of behavior or specific vehicles from previous burglaries, then this information can be put into the database to look for to present an "alarm condition".

- Provide direction info that vehicles arrived from and departed so authorities may then be able to gain insight on what other camera systems they can look at to potentially identify where the "bad actors" came from or where they went after the robbery or if they changed vehicles.

Geofencing / Digital Floor Plans /PSAP:

- Geofencing your facility for both the indoor and outdoor areas including Stadiums This geofence shape file will be integrated at your **regional PSAP** (Public Safety Answering Points).

- Immediately alert all necessary security and medical teams on-site during any emergency using available devices within the organization.

- We are integrated to the RapidSOS 911 emergency call systems

- Create an interoperable floor plan that can be viewed by the PSAP, First Responders, on-site personnel

- Floor plans include the room numbers/identifiers, as well as the locations of fire extinguishers, AED, Stop the Bleed/Trauma Kits, doors, hazmat storage, and videos.

- Pinpoint emergency locations on detailed floor plans from VoIP and cellular phones dialed anywhere on the property, inside or out.

- When the PSAP activates a call during an incident, we will send notification to specific on-site personnel. These messages can be SMS and/or email.

- Live text dialog with on-site personnel, 911, and First Responders.

Digital Smart-Hubs Technologies

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Digital Smart-Hubs Technologies

Height 2,4-3m 8-10 Ft

Smart City capabilities
Cameras and sensors can collect audience analytics, air quality information and other information providing city councils with actionable insights.

Announcements and advertisments
The ultra bright (3500 nit) large display units (55") are an eye catcher, ideal for emergency broadcasting or city wide messaging and marketing activities.

Modular, customizable and durable
The modularity of the design enables for easy maintenance, swaps of components, upgrades or custom hardware installation. Citybeacons are built to last with anti-vandalism scratch resistant paint and reinforced glass display units, build for extreme weather conditions.

Neutral host for 3rd party equipment
Citybeacons' Telco-grade infrastructure supports network densification, promotes location sharing and enables neutral host capabilities. Citybeacons contribute to a more efficient use of the urban canvas by avoiding further cluttering and fragmentation through it's multi-tenant hosting capabilities for radio equipment. MMWave connection options allow for wireless backbone enablement. The Edge compute capability allows for building distributed processing power at street level enabling future use cases and offers a pathway to software based networking topologies like OPENRAN.

Aesthetic eye catcher
Citybeacons come in appealing formfactors designed to fit perfectly in any modern city landscape. Brighten up the city skyline with CBAura™ The LED colours and intensity can be customized or temporarily adapted for festivities or special occasions.

Safety and security
The integrated camera lets local authorities monitor public spaces. Emergency services can be activated via a programmable push button. Advanced anomaly detection and notification features and can create real time alerts at the control room dashboard. This enables emergency services to respond quickly.

2-way information service
Various services can be selected from the App Store or customized web based services can be integrated into the kiosk, the possibilities are numerous. This enables citizens' engagement, connects your audience and build valuable relationships.

Mobile, charging and payment
Wireless mobile device charging capabilities, mobile handoff of information via NFC or QR codes, mobile payments to pay for local services such ticketing and parking etc.

Multi Language Support:

Notification Preview RealTime Alert
Air Quality Threshold has been exceeded. Please find your way to the nearest exit. Scan the QR code on the Beacons nearby if you need help

AI Powered Campaign Measurement | Customer Engagement | Customized Content | Data Analytics

Disruptive Media Offsets Costs and Generates "NEW" Revenue Steams

VSBLTY uses anonymized FacialAnalytics™ which are GDPR compliant.

This data drives brand advertising and sponsorship, thus creating NEW revenue opportunities made possible via digital out-of-home advertising on City Beacon screens. These screens also host applications through City Beacon Kiosks, mobile

advertising on public Wi-Fi, and cellular advertising through private 5G network.

VSBLTY Data Captor enhances advertising value through data collected physically and digitally across City Beacon cameras, public wifi, and private 5G network.

Demographic Learning By location

Visitors Traffic By Location

Ad View Time

Media Impressions
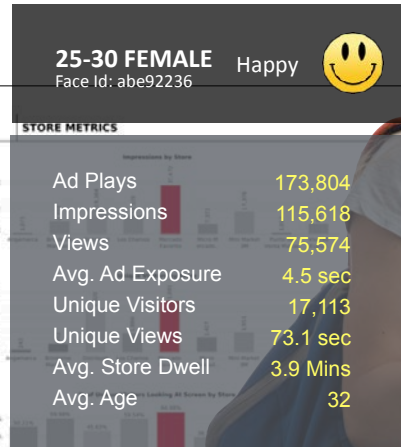
Location Dwell

Gender

Age Range

Visitors by time of day/ day of week

All data is stored externally through a daily cloud upload. Data will be provided to store and brand leadership.
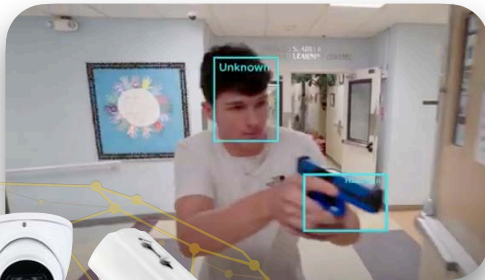
25-30 FEMALE
Face Id: abe92236   Happy

STORE METRICS

Ad Plays	173,804
Impressions	115,618
Views	75,574
Avg. Ad Exposure	4.5 sec
Unique Visitors	17,113
Unique Views	73.1 sec
Avg. Store Dwell	3.9 Mins
Avg. Age	32

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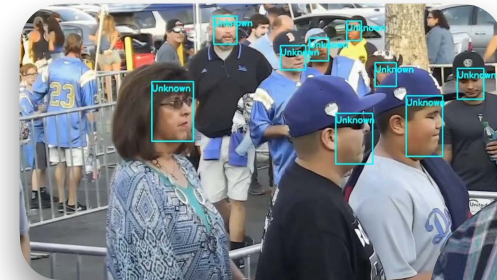
For Demo or More Information Please Contact GoldenAi Team

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