



ASI
Technology Advisors



AI VIDEO ANALYTICS

Claro Enterprise Solutions's AI Video Analytics helps increase awareness of suspicious activity by augmenting video surveillance with artificial intelligence and machine learning on a custom-built server with extra computing power using a Graphics Processing Unit (GPU).



Claro
Enterprise Solutions



FOR DHS CERTIFICATION INFORMATION: SAFETYACT.GOV

THE CHALLENGE

Managing locations with high traffic is often unpredictable. But whether it's monitoring suspicious/unruly activity at an airport, surveilling schools and universities for intruders, searching for lost patients, or scanning venues, banks, or theme parks for possible weapons, organizations responsible for the well-being of large groups in 2022 must think beyond traditional security measures to help keep perimeters safe. Especially when...

- U.S. schools have had **2,032** armed invasions since 1970.¹
- There have been **300** mass shootings so far in 2022 alone.²
- **2,500** incidents of unruly passengers were reported to the Federal Aviation Administration in 2021.³
- On average, a burglary happens once every **30** seconds in the U.S.⁴
- **80%** of emergency physicians say workplace violence impacts the quality of care.⁵

And while outside threats pose more obvious risks, businesses must also take into consideration internal threats, both physical and fiscal, because...

- There are nearly **400,000** aggravated assaults occur in the workplace each year.⁶
- **75%** of employees have stolen at least once from their employer.⁷
- **60%** of employees would steal if they knew they wouldn't get caught.⁸
- **94%** of U.S. workers have been bullied at least once in the workplace.⁹
- There are about **2.8 million** nonfatal workplace accidents and injuries annually in the U.S. private industry.¹⁰

¹Source: sandyhookpromise.org/blog/gun-violence/16-facts-about-gun-violence-and-school-shootings/

²Source: [washingtonpost.com/nation/2022/06/02/mass-shootings-in-2022/](https://www.washingtonpost.com/nation/2022/06/02/mass-shootings-in-2022/).

³Source: travelandleisure.com/travel-news/faa-unruly-passenger-incidents-2021

⁴Source: ucr.fbi.gov/crime-in-the-u.s/2019/crime-in-the-u.s.-2019/topic-pages/burglary

⁵Source: legaljobs.io/blog/workplace-violence-statistics/

⁶Source: zippia.com/advice/workplace-violence-statistics/

⁷Source: embroker.com/blog/employee-theft-statistics/

⁸Source: awci.org/cd/pdfs/9004_g.pdf

⁹Source: zippia.com/advice/workplace-violence-statistics/

¹⁰Source: zippia.com/advice/workplace-injury-statistics/

THE SOLUTION

Monitor suspicious activity using Claro AI Video Analytics' machine learning and artificial intelligence. Help raise safety and maintain better records of real-time or recorded video while leveraging machine learning. Receive alerts when unauthorized personnel, vehicles, or weapons enter your perimeter. Certified by the Department of Homeland Security, Claro Enterprise Solutions' AI Video Analytics uses extensible search capabilities to locate people and objects based on specific characteristics (e.g., clothing, age, etc.). Detect conditions on real-time video streams or do forensic analysis on recorded video.

BENEFITS

Intrusion Detection:

Detect unauthorized access, including drone activity within your perimeter.

- Leverage Infrared Cameras for detection in low-light conditions
- Easily integrate with alarm triggers, automatic door-locks, etc.



EXTEREME LOW-LIGHT CONDITIONS



LOW-LIGHT CONDITIONS

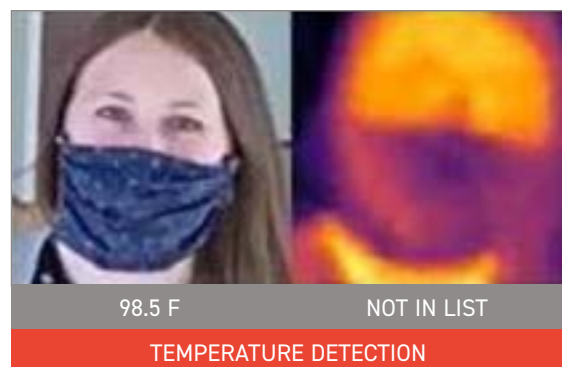
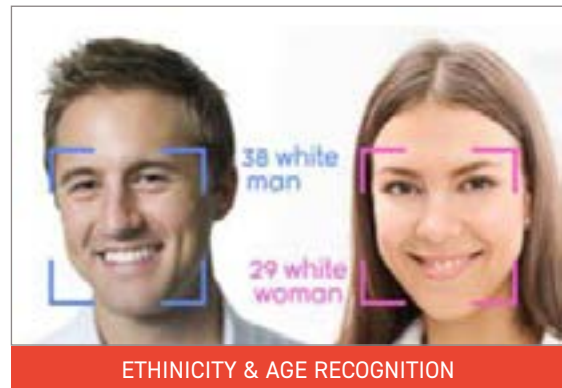
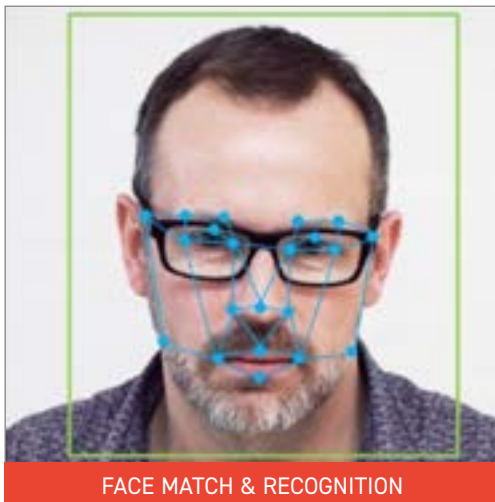


GEOFENCE BREACH

Facial Recognition/Search:

Utilize automatic simultaneous recognition of multiple faces in one video frame/image.

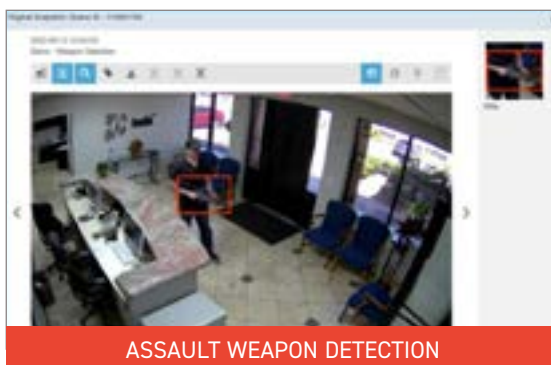
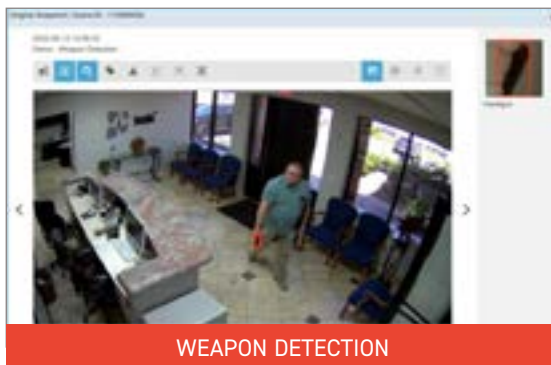
- Automatic simultaneous recognition of multiple faces in one video frame/image
- Automatic match with face database
- Determine gender and estimate age
- Support Access Control
 - Customers, employees, management
 - Trigger alerts based on rules
 - Grant or deny access
- Store detected face and 10-sec playback



Weapons Detection:

Detect intrusions, including weapons and receive real-time alerts.

- Weapons Detection
 - Knives
 - Rifles
 - Shotguns
 - Handguns
- Holstered weapons
- Real-time alerts



Extensible Search Capabilities:

Monitor if staff is wearing proper safety equipment and search for people and objects based on distinct attributes. Detect all abnormal activities that occur in certain restricted areas.

- Facemask
- Helmet
- Safety Vest



SAFETY RULE VIOLATION DETECTION



PERSONNEL ENTRANCE DETECTION



HIGH RISK AREA

Vehicle/License Plate Recognition:

Search for specific car models/colors and send alerts for license plates and unauthorized vehicles.

- Search for specific car make, model and color
- Support license plate / automatic number plate recognition (LPR/ANPR) at highway speeds
- Send alerts for specific lists of license plates (e.g., access control for employees)
- Send alerts for unauthorized vehicles



SUMMARY

Using AI Video Analytics, organizations receive alerts when unauthorized personnel, vehicles, or weapons enter their perimeter. Use extensible search capabilities to locate people and objects based on specific characteristics like clothing color, age, etc. Detect conditions on real-time video streams or do forensic analysis on recorded video.

ABOUT CLARO ENTERPRISE SOLUTIONS

Claro Enterprise Solutions, a subsidiary of América Móvil, is a global integrator with over 20 years of experience and your partner for managing secure-by-design cybersecurity and information technology solutions adapted to your business requirements. Choose Claro and scale your enterprise using industry-leading partners and experienced specialists to support your operations day and night.

SECURE. COMPLIANT. CONNECTED.



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