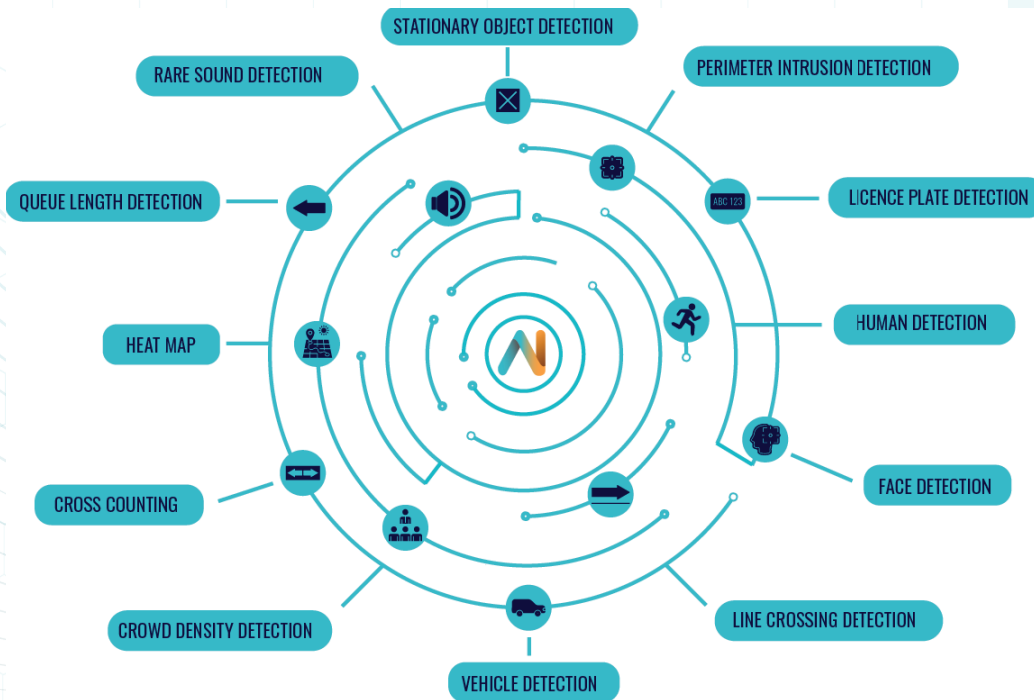


ARTIFICIAL INTELLIGENCE



AI FEATURES FOR ENHANCED SECURITY PROTECTION



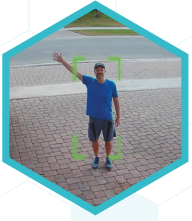
Our human and vehicle detection features use advanced technology to search by human or vehicle and can register up to 100,000 faces and 200,000 vehicles. With detection ranges of up to 150ft for humans and 200ft for vehicles, you can rest assured that your property is always under surveillance. Real-time alerts and our Smart Guardian app™ allow you to take prompt action if necessary, giving you complete control over your property's security.

AI features offer a range of powerful capabilities that can help you transform your business operations and stay ahead of the competition. Whether you're looking to automate tasks, improve customer experiences, or gain insights from your data, AI can help you achieve your goals.

POSSIBLE APPLICATIONS

- VEHICLE AND PEOPLE TRACKING
- LICENSE PLATE SITE MANAGEMENT
- AI PUSH NOTIFICATIONS ON PC OR MOBILE
- COUNT OF PEOPLE & VEHICLES ENTERING/EXITING
- DETECT LINEUPS & CROWDS
- PERIMETER DETECTION WITH ALARM TRIGGERING





HUMAN & VEHICLE DETECTION

Our advanced security camera system includes both human and vehicle detection capabilities to ensure the safety and security of your property. Our human detection feature can detect and **track human movement up to 150ft**, ensuring that any human activity on your property is closely monitored. Our vehicle detection feature is just as advanced, capable of detecting and **following vehicle movement up to 200ft**. You'll receive instant notifications as soon as a human or vehicle is detected on your property, allowing you to take action and prevent any potential security breaches.

The state-of-the-art AI solution for identifying faces with specific attributes. With its advanced algorithms, Face Recognition can **detect and analyze facial features such as gender, age, face mask, glasses, and emotional expression**, providing valuable insights for a wide range of applications, from marketing and customer service to security and surveillance. With Face Recognition, you can also receive real-time alerts when a specified face is detected, or track all the times an individual has been detected by uploading your own image, or an image from the existing database. Face Recognition can automatically save up to 100,000 faces, making it easy to manage and analyze large volumes of data.



FACE RECOGNITION



LICENCE PLATE RECOGNITION

Identify and track license plates of both still and moving vehicles. With the ability to recognize up to 100,000 license plates stored on your recorder, LPR provides **real-time alerts and data on any vehicle that enters or exits** the frame, making it ideal for parking lot surveillance and gate management. In addition, LPR allows you to **search a license plate to see its detection history**, giving you valuable insights into vehicle movements and patterns. Whether you're looking to enhance the security of your premises or gain valuable intelligence about vehicle traffic, LPR is the ultimate solution for all your license plate detection needs.

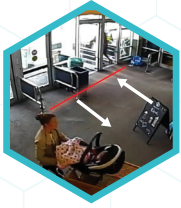
With its powerful AI-driven technology, Perimeter Intrusion Detection **detects humans or vehicles within a selected frame of your camera, and instantly alerts you** of any intrusion. You can set up to 4 different types of perimeters on each camera, allowing for maximum flexibility in securing your property. This feature is perfect for a wide range of applications, including property protection, intrusion detection, industrial safety, and perimeter security. With the ability to detect anyone crossing from either side of the perimeter, not just those who enter it, you can rest assured that your property is under constant surveillance.



PERIMETER INTRUSION DETECTION

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CROSS COUNTING

Our innovative AI-powered solution for accurately counting the number of humans, vehicles, and non-motorized vehicles that cross the virtual line from any direction. With its advanced algorithms, Cross Counting provides **real-time data on the number of humans or vehicles that cross a designated line**, making it ideal for a wide range of applications, from traffic analysis and crowd control to security monitoring and retail analytics. Cross Counting also allows all data to be exported for advanced data usage, providing businesses and organizations with the ability to optimize their operations and gain valuable insights into customer behavior.

The ultimate solution for monitoring and securing your property. With its advanced AI technology, Line Crossing Detection **can instantly detect any humans or vehicles on a pre-defined virtual line, alerting you immediately** if anyone or anything crosses it, from either side of the line or just from one direction. Whether you're looking to secure your home, office, or any other property, Line Crossing Detection is the perfect tool for keeping your space safe and secure. With its real-time alerts and advanced analytics, you can rest easy knowing that your property is under constant surveillance, and that you will be notified of any suspicious activity as soon as it occurs.



LINE CROSSING



STATIONARY OBJECT DETECTION

The cutting-edge AI solution for detecting movement of a still object in a selected frame. With its advanced algorithms, Stationary Object Detection can instantly **detect if a stationary object within a designated area has been present for an extended period of time or if an object is missing from the designated area**, and notify you immediately if any motion is detected. This makes it ideal for a wide range of applications, from security monitoring and asset protection to industrial safety and environmental monitoring. Additionally, you can track how long the object has stayed in the designated area, giving you valuable insights into the duration of the event.

Crowd density detection is a feature that uses advanced technology to analyze real-time video footage and detect the presence of a crowd of people. This feature is particularly useful in situations where there is a need to **monitor crowd movements and prevent overcrowding**, such as in public places like shopping malls, stadiums, and concert venues. The feature works by analyzing the number of people present in a given area and calculating their density. When the density of the crowd reaches a certain threshold (**max 50 people in the frame**) the system triggers an alert to notify the appropriate personnel. By providing real-time monitoring of crowd density, this feature helps ensure the safety and security of individuals within a given area.



CROWD DENSITY DETECTION

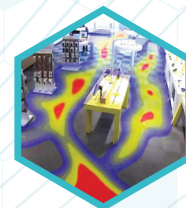




QUEUE LENGTH DETECTION

The powerful AI-driven solution for detecting large queues and notifying you when a specified number of people or cars are detected. With its advanced algorithms, Queue Length Detection can accurately **measure the number of people or cars in a queue and provide real-time alerts** when a specified threshold is reached (maximum threshold of 10 people). This makes it ideal for a wide range of applications, from crowd control and event management to retail analytics and customer service. With Queue Length Detection, you can easily identify and manage long queues, and provide a better experience for your customers or visitors.

The powerful AI-driven tool for detecting trends and patterns in movement. By analyzing data from cameras, Heat Map generates **a visual representation of traffic flow and identifies areas with the most movement**. This makes it ideal for a wide range of applications, from retail analytics and crowd control to security monitoring and public safety. With Heat Map, you can quickly and easily identify which areas are the busiest, and adjust your operations accordingly to optimize efficiency and improve customer experience



HEAT MAP



RARE SOUND DETECTION

The cutting-edge AI solution for detecting rare and specific sounds. With its advanced algorithms, RSD can **detect and analyze a range of rare sounds, such as gunshots, baby cries, and dogs barking, providing real-time alerts when these sounds are detected**. This makes it ideal for a wide range of applications, from public safety and security monitoring to residential surveillance and pet monitoring. With RSD, you can rest assured that any rare sounds in your designated area will be detected and reported, allowing you to take prompt action if necessary. All you need is a microphone on your camera, and you're ready to go. Whether you're looking to enhance your home security or improve public safety, RSD is the ultimate solution for rare sound detection.

For more information, please contact our sales team sales@gsdgroup.ca

We are working hard in order to provide you with state of the art solutions. We evaluate our AI detection to be up to 92% accurate

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