

iSentry
KEEP WATCH
DATASHEET






**KEEP
WATCH**



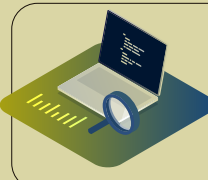
Overview

KeepWatch is an advanced computer vision AI feature designed to track and follow a selected object (person) across multiple fields of view captured by a camera system. It operates with near real-time responsiveness, ensuring minimal between object movement and tracking updates. KeepWatch not only displays the current location of the tracked object but also records and visualises its movement trajectory on a GIS map, providing valuable insights for real-time monitoring or retrospective analysis.

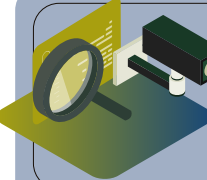
Applications

- 
Security and Surveillance
 Enhanced monitoring and tracking capabilities for security applications.
- 
Logistics and Transportation
 Tracking of vehicles, containers, and assets in transit.
- 
Industrial Monitoring
 Tracking of machinery, goods, and personnel within industrial environments.
- 
Smart City Infrastructure
 Monitoring of public spaces, traffic flow, and crowd management.
- 
Comprehensive Analytics
 Gathers actionable data on traffic.


Key Features



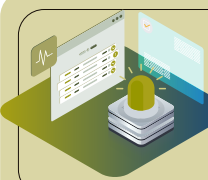
Object Selection and Tracking
Users can select an object of interest (person) within the camera's field of view, and KeepWatch will initiate tracking.



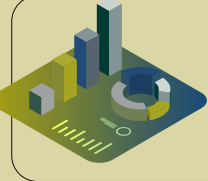
Multi-FOV Tracking
Even if the selected object moves into another field of view covered by the camera system, KeepWatch seamlessly continues tracking without interruption.




Real-time Tracking
Provides continuous updates of the object's location and direction, displayed in near real-time.



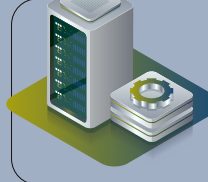
Map Integration
Tracks and records the object's movement trajectory (providing GPS coordinates and further drawing or overlaying a tracking line that visually represents its path. This feature enables users to visualise the current and historical movement of the object for live analysis or forensic) on a geo-referenced map.



Playback and Analysis
Supports playback functionalities on the map, allowing users to review past movements of the tracked object in detail (our client).



Customisable Alerts
alert configurations based on predefined criteria (e.g., object entering/exiting predefined zones, Unusual Behaviour alert etc).



Enhanced Field Operations
Keeps control room operations and field agents connected by constantly providing real-time information on the tracked subject's position, facilitating timely and informed decision-making in dynamic situations.

Technical Specification

Latency	Approximately 5-10 second processing time for object movement updates
Accuracy	High-precision tracking with minimal deviation
Compatibility	Integrates with standard mapping software
Deployment	Can be deployed in both indoor and outdoor * environments
Scalability	Scalable for use with single or multiple camera systems

* - consult us for outdoor deployments, for additional prerequisites


Use Case Scenario

RESPONDING TO
AGGRESSIVE
BEHAVIOUR


Use Case Scenario

Responding to Aggressive Behaviour


In a bustling urban environment equipped with advanced surveillance technology, the KeepWatch feature plays a crucial role in maintaining public safety and security. Here's a scenario demonstrating its effectiveness in responding to an incident of aggressive behaviour:



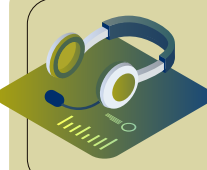
Incident Alert
A security camera system detects a physical altercation between two individuals in a public square. The system immediately triggers a fighting alert based on computer vision analysis of the scene.




Object Selection and Tracking
Operators in the control room use KeepWatch to select one of the individuals involved in the altercation as the tracked object. KeepWatch initiates real-time tracking of this person as they move through different camera fields of view within the surveillance network.



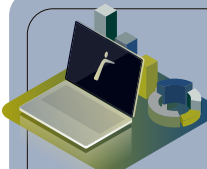
Real-Time Updates and Visualisation
On a geo-map displayed in the control room, the tracked person's current location, direction of movement, and trajectory are continuously updated. A visual tracking line on the map shows their path, aiding in understanding their movements and potential escape routes.



Coordination with Field Agents
The control room operators communicate with field security agents via integrated communication channels. They relay specific instructions based on the tracked person's location and movements, directing agents to intercept and apprehend the individual.



Arrest and Resolution
Field agents receive real-time updates and instructions through their mobile devices or communication headsets. They swiftly move to intercept the tracked individual, guided by the precise location information provided by KeepWatch in real time.



Review and Analysis
After the incident, security supervisors can replay the tracked person's movements and actions on the geo-map. This analysis helps in understanding the sequence of events, reviewing response times, and improving future incident handling protocols.

Benefits of KeepWatch in this Scenario:

- **Rapid Response:** Enables immediate tracking and response to incidents as they unfold, reducing response times and enhancing public safety.
- **Enhanced Situational Awareness:** Provides real-time location updates and movement patterns, aiding in strategic decision-making for field agents.
- **Efficient Coordination:** Facilitates seamless communication between control room operators and field agents, ensuring synchronised actions for effective resolution.
- **Evidence and Documentation:** Generates comprehensive data and visual records of the incident for post-incident analysis and legal purposes.

Keep Watch Availability

 Included |  Optional

Core

Standard

Premium

Elite



Cross-camera person searching and tracking ("keep-watching") in real-time and forensically. Integrated fully with GIS maps with creating a path on the map for better targeting and visualisation. GPS position estimation in the field of the camera view based on framed detection and the movement of the target.

NOTES: V. 2024.09.V.1.0. PRE-RELEASE FLYER. DATA IS SUBJECT TO CHANGE WITHOUT FURTHER NOTICE. IT REQUIRES A SPECIAL LICENSE AND DEDICATED HARDWARE. ASK OUR SALES FOR DETAILS.

License

Product Code

(Sentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPW
12 months SUP Sentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPWSUP12
24 months SUP Sentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPWSUP24
36 months SUP iSentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPWSUP36
48 months SUP Sentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPWSUP48
60 months SUP Sentry KeepWatch 2024 R2 Module (Perpetual)	IS-KPWSUP60



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