



AI Video Search

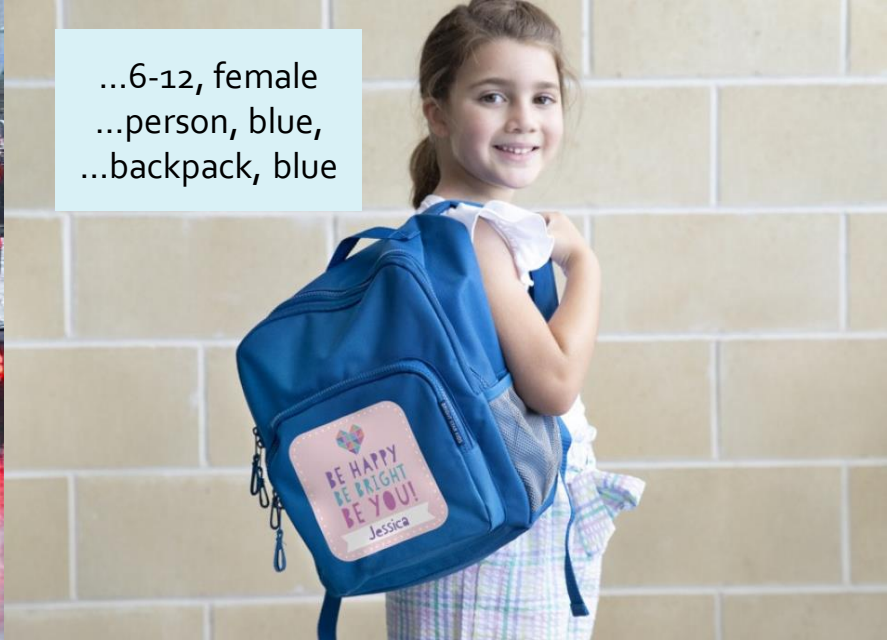
AI AIO Video Search is a rapid Google-like search engine, yielding accurate search results in 1 second for hundreds of hours of video data, and reducing more than 99% of search time and cost.

AI Video Search enables to detect multiple AI models, including general object and person detection, and also supporting fire and weapon detection.

AI
AIO



...car, yellow



...6-12, female
...person, blue,
...backpack, blue



...person >= 8

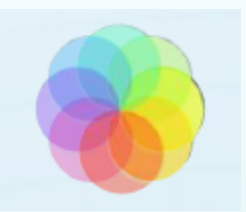
How it works?

AI AIO has built-in artificial intelligence software and hardware video search capability for fast, efficient search of video objects stored in NVR or DVR storage devices. AIGuard eliminates the need to manually inspect hours of video for objects or persons of interest and enables the user to locate the needle in the haystack of terabytes of video data. The user experience is intuitive and based on an easy-to-use natural language interface. Search engine keywords include many types of vehicles (car, bus, motorbike, bicycle), people, objects.

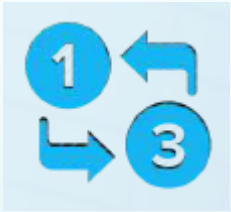
Search Criterias



Object Types



Colors

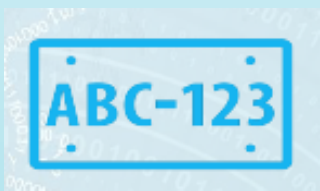


Quantity

Over 100 object types can be detected and searched by Video Search function. e.g., motorcycle, car, truck, person, face, suitcase, backpack, bear, etc. Combine with the object's color and its quantity in the scene, the user can add more than one specific criteria and get the search result from the real-time live stream or recorded video within a few seconds.



Age/Gender



Partial License Plate

To search for a target person, the user can add his/her age range and gender to narrow down the search result. Additionally, the user can input the partial license plate number (minimum 3 characters/digits) to the search criteria, then immediately obtain all results that match the conditions.

Multiple AI Models

Weapon Model

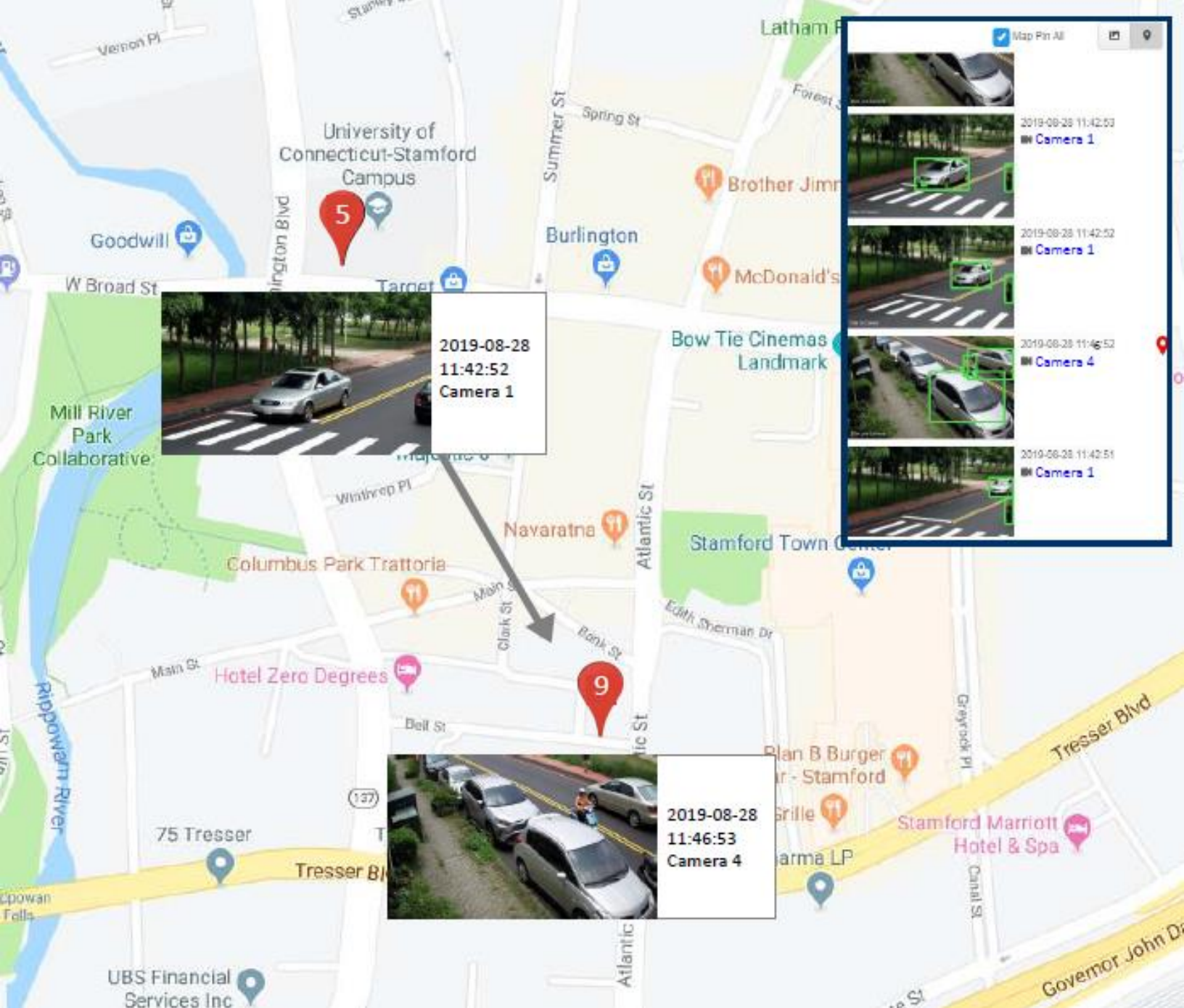


AIGuard's AI weapon video analytics accurately identify weapons in real time and generate alerts when a gun or knife enters the camera's field of view. The weapon video analytics can be used in many types of public access areas, such as school campuses, transportation hubs, airports, theme parks, national landmarks, entertainment venues, shopping centers, tourist attractions, banks, and corporate facilities.



Fire Model

AIGuard's AI Fire Detection Model accurately identifies fire and smoke in real time and on demand, as well as generating alerts when a flame is detected or there is more smoke than a certain threshold. The AI Fire video analytics is suitable for use both indoors and outdoors to guarantee safety, provide ample time to react, and protect people and properties.



View & Track Result on Map

AI Guard AI AIO now can view all search results on a map with the exact location of the detected cameras. The user can also track the detected events based on the camera locations and time stamps. Furthermore, each new alert will appear on the map in real time to visually aid the monitoring and security effort.

Hardware Specification



	AIO-100 series		AIO-500 series		
Model series	AIO-110	AIO-130	AIO-510	AIO-530	AIO-550
Number of Channels Supported for FS/FR	4	8	8	16	32
Form Factor	Mini-PC	Mini-PC	2U	2U	2U
CPU (Intel)	Core i5 Series	Core i7 Series	Xeon E5	Dual Xeon E5	Dual Xeon E5
AI-GPU	Nvidia High Performance GPU				
Network	Dual Gigabit Ethernet				
Memory (RAM)	8GB	16GB	16GB	32GB	32GB
System HDD	128GB SSD		240GB *2 SSD (RAID 1)		
AI Storage	Include one 1TB HDD		Two 3.5" hot swappable SATA disk bays (Support 1,2,4,6,8, 10TB HDD on RAID 0,1,5,6) HDD is optional		

Alguard is a global leader in highly-secured cloud video and big data solutions for video surveillance applications. Our products have been successfully deployed by many government, university and corporate enterprise customers. Our solutions deliver unmatched performance, scalability and cost savings. Alguard has world-wide offices and partners in North America (United States and Canada), Central and South America, East and Southeast Asia (Japan, Taiwan, Korea, Thailand, and Singapore), and the Middle East.