BRS Labs Announces AISight™ 2.1

Object Classification Based on Artificial Neural Network (ANN) Technology is used for the First Time in Video Surveillance Industry

HOUSTON (March 15, 2010) – Behavioral Recognition Systems, Inc. (BRS Labs) announces the release of the latest version of AISight, the first and only Behavioral Analytics™ solution. This latest release, AISight 2.1, addresses two of the industry's most difficult problems: accurately classifying objects such as humans, animals, vehicles etc., and efficiently recognizing and tracking large numbers of moving objects in the camera's view.

There are literally dozens of patents filed explaining how a camera should recognize the human form. The simple fact is that a human will look different from one camera to the next. For example, if a camera is mounted 20 feet off the ground, it might not even see the legs of a person walking by. To identify objects accurately, the vendor must adjust and program for every possible camera angle - a time consuming and expensive task which has never been adequately executed.

Artificial neural networks simulate the functions and processes of biological neural networks. With its new micro-classification feature, AISight now classifies objects without any pre-programmed definitions or specifications, replicating the neural processes of a human. AISight classifies every object in the camera's field of view based on observations and memories the Machine Learning Engine (the brains of AISight) creates autonomously. AISight classifies and determines the differences between humans, cars, animals and all other objects. The system categorizes and classifies observed objects according to each camera's unique field of view. In other words; AISight establishes its own criteria for classifying a human (or any object), specifically tailoring it to each camera's field of view.

In addition to observing and describing behaviors, the expanded learning engine of AISight 2.1 leverages refined micro-classification features to gather information about dominant object content, including a subject's size, color, reflectivity, sheen, shape, and whether it occurs singly or as part of a group. Tracking separate objects and groups of objects in real time, the micro-classification feature enables the system to observe the scene and learn to identify not only normal and anomalous behaviors, but also to identify the types of objects that exhibit those behaviors in the scene. This provides AISight with a wider and broader understanding of scene content to yield highly effective identification, analysis and tracking of behaviors.

"Analysis based on micro-classification provides substantial benefits to security environments. Not only does AISight have the capability to observe a human in a restricted area; AISight is also able to identify other elements such as hue, color and saturation of the clothing the human is wearing. This provides critical data that can be used to determine if the human was clothed in a uniform common to staff allowed inside that area. This is particularly useful for applications where access is restricted, but certain types of human or vehicular traffic is frequent", said Ray Davis, CEO of BRS Labs. "This new descriptive or adjective-based identification architecture

also makes AISight 2.1 highly effective in monitoring the activities of groups. Frequently, the first sign of an event unfolding is the scattering or converging of a crowd. AISight can learn patterns of activities for groups, including sudden or abnormal changes in movement as the group travels through the scene, alerting on abnormal activity in real time to security command and control systems. Only by applying Artificial Neural Network (ANN) Technology can a system have the power and ability to perform these functions accurately. After over 150 Man-Years of development, BRS Labs is proud to provide the industry with a truly intelligent system to fight crime and terrorism at home and abroad,"

Current development includes integrating the cognitive machine learning core with a variety of other perimeter intrusion detection sensors; allowing AISight to analyze data it receives from sources beyond simple video, such as Forward Looking Infrared (FLIR) camera sensors.

Universally compatible with legacy camera and software systems, AISight 2.1 supports a robust, fully documented SDK that leads the way for turnkey integration – a time and cost saving complement to its industry-leading ease of installation. BRS Labs continues to expand and support our Value Added Reseller and Partner programs.

As Behavioral Analytics™ continues to evolve and push the industry envelope; AISight frequently generates broad discussion across the security community. "Such ground-breaking technology seems like science fiction, but the strong, factual science behind the product repeatedly is being proven through field product performance and acceptance", says Chris Peterson, Executive Vice President of Sales. "We are pleased to provide a proof of concept service for clients who have a serious interest in deploying AISight to solve their security challenges. We look forward to providing the opportunity to discover the immediate benefits AISight can provide to security and critical infrastructure facilities."

Behavioral Analytics™ technology, the backbone of the AISight system, combines computer vision with machine learning to provide actionable intelligence through real-time, relevant alerts on abnormal behavior. This field-tested, proven product takes visual input from a live camera or recorded video, autonomously learns what activities and behaviors normally occur in the environment, and notifies security personnel of anomalous behaviors with real-time alerts. The system is managed and monitored through desktop and browser-based applications or existing command and control systems and third-party video management systems (VMS.) AISight's easy installation and setup require no coding of rules or trip lines and no masking of any areas within the camera's field of view. AISight can effectively and efficiently enhance the security industry's efforts to watch the tens of millions of video cameras used globally - providing faster identification of evolving threats and better protection of critical assets. AISight is currently successfully deployed in applications across the globe that typically confound traditional video detection systems including seaports, airports, transportation, law enforcement, public facilities, and other complex environments involving large-scale and diverse distribution of surveillance cameras.

AISight 2.1 will be on display in **Booth #20097** during **ISC West** from March 24-26, 2010 at the Sands Convention Center.

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About BRS Labs

BRS Labs is a software development company that has created the industry's first behavioral analysis system for video surveillance that adaptively learns behavior patterns in complex environments. BRS Labs is the only company that has been able to apply computer-vision and machine-learning capabilities to video analytics, thereby greatly enhancing operator awareness and effectiveness in improving security. No human is required to define parameters for the software to recognize behavior or objects; the software reports unusual or suspicious behaviors based on memories it has acquired through observations over time. BRS Labs was founded in November 2005 and is headquartered in Houston, Texas. The company is funded by $50 million in private equity. www.brslabs.com

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