



Ipsotek's AIVA Engine Takes a Leap Forward with Natural Language Search

8th April 2024, London – [Ipsotek](#), an [Eviden](#) business, and a leading provider of AI-powered video analytics, today announced a significant advancement in its core Artificial Intelligence Video Analytics (AIVA) engine. This groundbreaking development empowers users of the [VISuite](#) platform to search and identify objects within videos using Natural Language Search (NLS).

VISuite AI also known as [Eviden Computer Vision](#) platform software stack provides users with the ability to enhance safety, security, operations, and business intelligence through real-time alerts and dashboard.

Natural Language Search (NLS) is a technology that empowers users to search for information using everyday spoken language.

In contrast, AI models within computer vision platforms rely on predefined criteria and options for detecting objects and behaviours. By leveraging NLS, VISuite users can now broaden their detection criteria to include keywords and descriptions of their choice, providing enhanced flexibility and coverage for their use cases.

"We are thrilled to announce this major step forward for AIVA," said Dr. Boghos Boghossian; Chief Technology Officer, and Global Sales Director at Ipsotek. "The AIVA engine has always been at the forefront of video analytics, and this capability marks a significant leap forward. Users can now leverage the power of natural language to search videos, fulfilling a key aspect of our original vision of AIVA; when it understands our spoken words"

This update to AIVA within Ipsotek's VISuite offers a multitude of benefits for users including:

- **Effortless Object Search:** Users can instantly search and locate objects within videos by simply providing a natural language description, such as “find the red car” or “a person holding a black bag.”
- **Enhanced Scenario-Based Rules:** Ipsotek’s patented Scenario Based Rule engine is further enhanced with AIVA’s new natural language capabilities. Users can now create intricate video analysis in seconds, without any prior training required.
- **Human-like Object Detection:** The advanced capabilities of AIVA allow for the identification of objects that might be difficult for the human eye to perceive, particularly in crowded or complex scenes.
- **Unlocking New Use Cases:** This revolutionary development in AIVA opens doors to a vast array of potential applications, empowering users to address unforeseen challenges and optimize video analytics across diverse industries.

“This update to AIVA within VISuite exemplifies Ipsotek’s dedication to continuous innovation and pushing the boundaries of AI, computer vision, and big data.” said Dr. Boghossian. “By leveraging the ever-evolving power of AIVA, Ipsotek empowers its clients to unlock the true potential of computer vision.”

About Ipsotek:

Ipsotek, an Eviden business is a pioneer in the field of artificial intelligence powered video analytics solutions for mission critical applications. Its highly scalable VISuite AI platform enables users to efficiently manage automatically generated alerts in real-time for deployments across a range of use cases including crowd management, face recognition, intrusion detection, perimeter protection, number plate recognition and traffic management.

For over 25 years, Ipsotek has been committed to providing and deploying video analytics solutions that keep people safe and businesses running. Designed from the ground-up, Ipsotek’s patented and easily configurable solutions make video searchable, actionable and quantifiable, providing crucial operational insights and resulting in reduced operator response times and the ability to define behaviours as they unfold in real-time in the most dynamic and complex environments.

For more information about Ipsotek and its solutions, visit www.ipsotek.com

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About Eviden¹

¹ Eviden business is operated through the following brands: Alia Consulting, AppCentrica, ATHEA, Atos Syntel, Bull, Cloudamize, Cloudreach, Cryptovision, DataSentics, digital.security, Eagle Creek, EcoAct, Edifixio, Energy4U, Engage ESM, Evidian, Forensik, IDEAL GRP, IDnomic, In Fidem, Ipsotek, Maven Wave, Miner & Kasch, Motiv, Nimbix, Processia, Profit4SF, science+computing, SEC Consult, Visual BI, Worldgrid, X-Perion, zData

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