



ASIS

AGNITIO

AUTOMATIC SPEAKER IDENTIFICATION SYSTEM

Automatic Speaker Identification System

The First Automatic Speaker Identification System Deployed for Building Central Police Databases of Voice Biometrics of Known Criminals that Allows Police Investigations on Intercepted Voice Samples

ASIS is a software solution for creating centralized voice biometrics databases and identification systems dedicated to law enforcement organizations.

ASIS provides services comparable to existing AFIS (Automatic Fingerprint Identification System):

- Collecting biometrics information of known or unknown suspects and related details (e.g. name/group) on a central database.
- Comparing “field” samples (e.g. intercepted calls) of an unknown individual against voice biometric models stored in the central database.

The identification results consist of a list of possible candidates with matching scores useful for further investigations.

ASIS provides identification capabilities for multiple operators with multiple simultaneous requests.



ASIS' web-based interface is simple, intuitive and easy to use.

Identification results include a list of possible candidates sorted by score.

ASIS uses AGNITIO's technology to extract and analyze patterns from an individual's voice.

AGNITIO's leading voice biometric technology is text, language and channel independent.

ASIS has gone through numerous tests performed by police organizations in several countries with excellent results.

ASIS Products

ASIS products range from a single server system to multiple server systems with the following hardware characteristics:

- Operating System: Windows Server or Linux
- Processor: Xeon Quad Core 2.4 GHz
- Memory: 4 Gb
- Hard Disk: 250 Gb

ASIS is a scalable system ideally suited for large law enforcement organizations managing up to 1 million voice models.

Identification Results:			
<input type="checkbox"/>	ASIS Code	Name and Surname	Score ▼
<input type="checkbox"/>	10	Benjamin González	50.1764
<input type="checkbox"/>	12	Ono Sanchez	2.55698
<input type="checkbox"/>	8	Francesc Peña	2.224

ASIS Performance

ASIS is a modular and scalable system to best fit the needs of any local and national law enforcement organization.

ASIS' multi-engine architecture enables unknown speaker identification among more than 100,000 voice models in 1 minute.

ASIS' database structure is easily customizable.

ASIS can be integrated into a multi-modal platform including complementary biometrics (Fingerprint, Face, DNA, Iris, etc.) for increasing identification accuracy.

AGNITIO - Leading Voice Biometric Technology for Homeland Security

ASIS products use AGNITIO's state-of-the-art voice biometric technology that has been extensively tested by many international public and private organizations.

Recent independent tests conducted by International Biometric Group (IBG) demonstrated AGNITIO's superior voice biometric technology capabilities.

Tests are regularly performed in many languages on different channels (professional microphones, landline telephones, mobile phones or Voice over IP (VoIP)) with comparable results.

AGNITIO's voice biometric consultants are available to provide all necessary support to our clients worldwide in order to ensure the best results.

Consulting services include voice database creation, basic and advanced training for users and system administrators.



www.agnitio.es