IBRS

Biometric Recognition System

Biometric identification services are paramount in today's ID management solutions. IBRS is Automated Biometric Identification System (ABIS) for civil use cases. It brings trust to all government and private sector applications by ensuring the uniqueness of a person based on their biometrics.

All the biometric services you need in one place

The Biometric Recognition System (IBRS) is a multimodal ABIS. It is a flexible solution that enables governments to access a full array of biometric recognition related services.

Services can easily be enabled or disabled and customized to meet customers' requirements. IBRS seamlessly integrates and interfaces with any existing external system and application.

IBRS offers:

Image repository to store all biometric images received from any external system, including multiple registration for each biometric over time.

Biographic repository to store additional complementary data received from any external system.

Auditing system to provide logs of insightful information on the system's performance and status.

Administration API to monitor activities and manage the configuration of IBRS and user rights on the web interface.

Biometric engine to store and manage biometric templates (update, delete, extract, etc.) and perform strong authentication. This service identifies duplicate enrollments and performs adjudication. Biometric quality checks are also carried out to provide quality assessments on the biometric images received from any external system. This service also has the capability to segment fingerprints and convert image format.

Embedded workflows to simplify the integration between IBRS and external systems.

Key Benefits

Unmatched performance

Unrivaled biometric-matching speed and accuracy without using proprietary hardware.

Designed to handle a very high throughput and maintain low response time in real-life conditions.

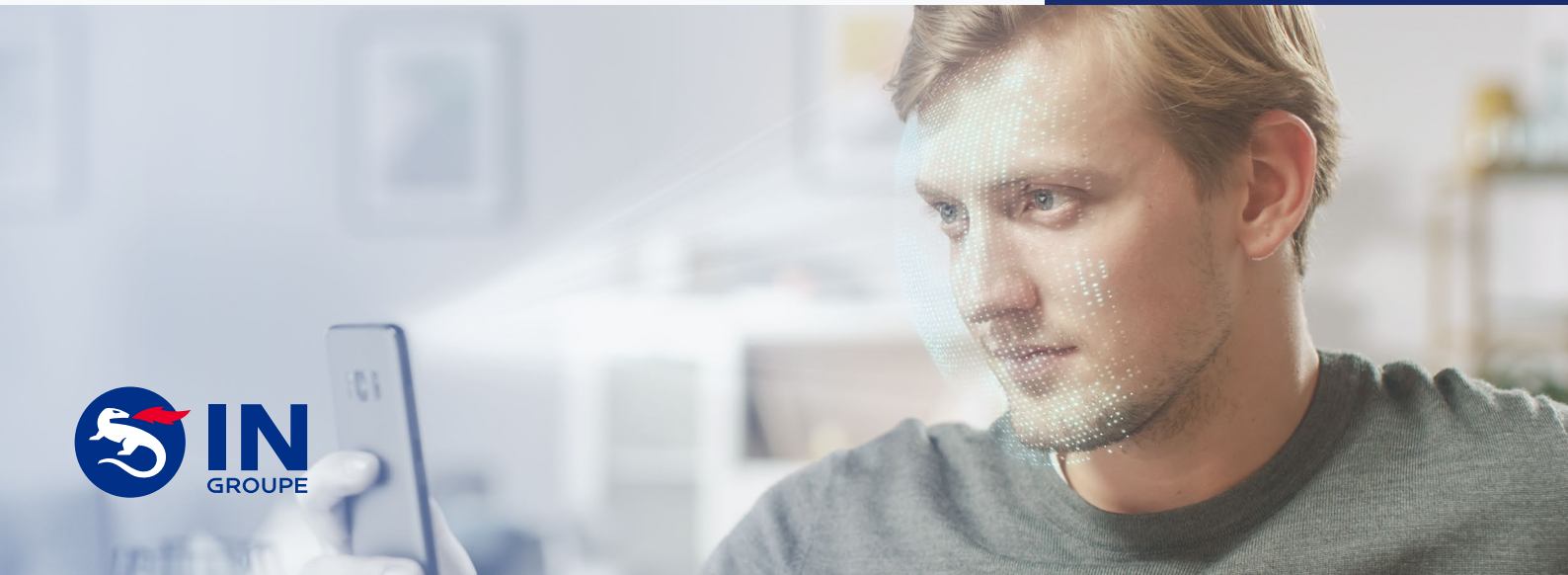
Wide range of biometrics

Designed to support face, finger, iris, and multibiometric fusion.

Easy plug-and-play solution

Quick and easy to interface with any external system by relying on the standard interface (OSIA— Open Standard Identity APIs).

Easily adaptable to support interaction with any legacy subsystem.



IN GROUPE

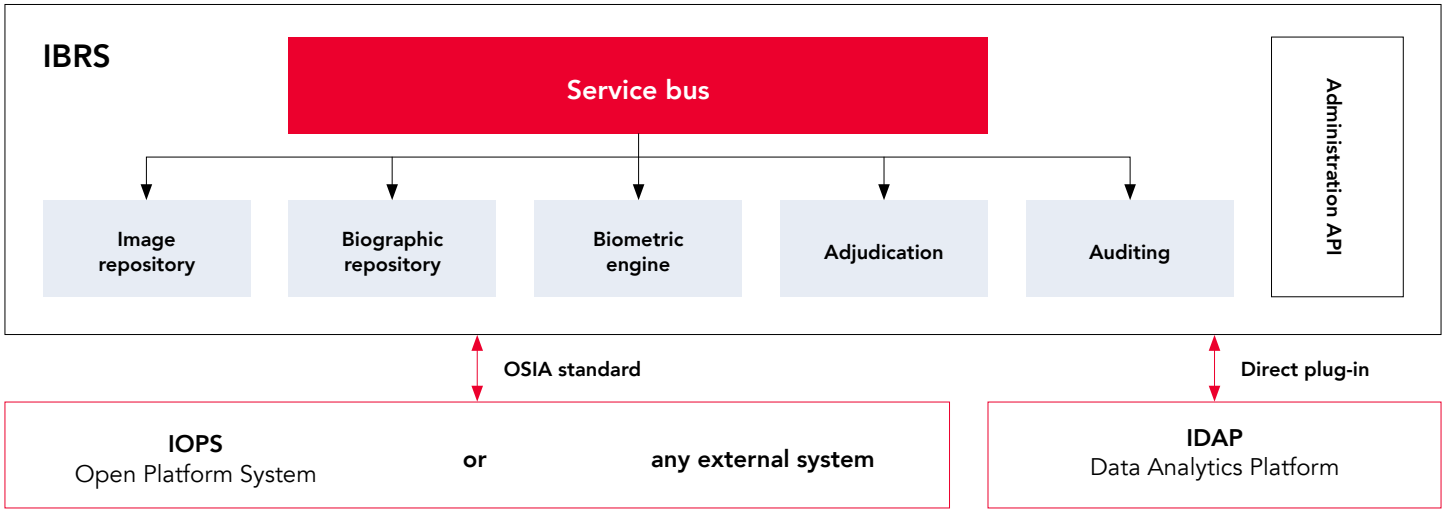
Interaction with external environment

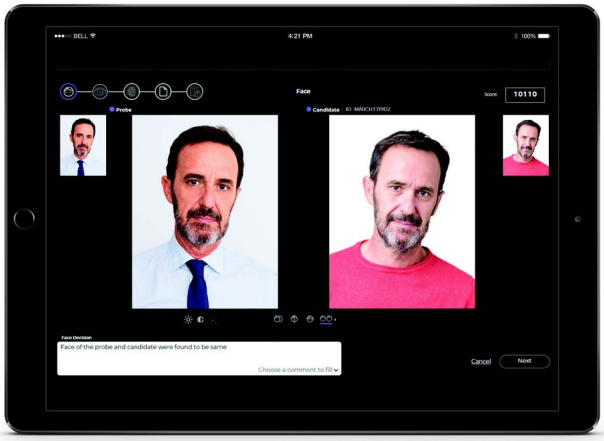
IBRS is natively integrated with Open Platform System (IOPS), through OSIA standard. In this way, IBRS serves as one of the various components that governments can use to design an ID solution that best suits their needs.

IBRS is also available as a stand-alone component that can easily connect to any external system.

In both cases, the interaction between IBRS and the external environment is done through a plug-in based on open standards to ensure seamless modularity and avoid vendor lock-in.

Additionally, IBRS can be directly coupled with Data Analytics Platform (IDAP) in order to provide business reports and activity dashboards.





Adjudication

IBRS adjudication is a web-based application with a user-friendly interface. It provides tools to support the operator's decisionmaking process, including:

- Biometric side-by-side comparison of applicant and candidates
- Biometric image treatment such as zoom, synchronization, minutiae display, score display, and many more
- Demographics comparison (optional)

The adjudication tool is accessible based on the permissions assigned to the user by the administrator(s).

A multi-step decision process can be configured according to the customer needs.

Cutting-edge technology

Architecture: State-of-the-art architecture based on microservices

Compliance to standards: GDPR, ISO 19794, and NFIQ standards for biometric images, NIST

Security: RBAC on all business services, data encryption, TLS secure connection

Interface/APIs: REST interfaces, S3 Storage for Media, ITU-T X.1281 (OSIA)

UI: State-of-the-art GUI technology based on Angular

User management and access control: Integrated with LDAP and AD, supports OAuth2 and Red Hat SSO

Deployment: Deployed with Docker and Kubernetes, Disaster Recovery Site, High Availability Active/Passive and Active/Active

April 2026
Copyright © 2026 IN Groupe. All rights reserved.