INTERBIO
TECHNOLOGIES

e-Catalogue



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INTERBIO
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Our Mission

To empower citizens to access services without friction, safeguard privacy and protect them from fraud, leveraging identity and digital public infrastructure.

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Overview

PT International Biometrics Indonesia **(Interbio Technologies)**, a subsidiary of TOTM, is a premier provider of biometric and identity solutions headquartered in Indonesia. The company specializes in large-scale identity system integration and serves as a **key enabler of digital transformation** through the advancement of **Digital Public Infrastructure (DPI).**

With its core operations based in Indonesia and India, Interbio Technologies collaborates closely with leading technology partners from the United States, Europe, the UAE, and the ASEAN region. Its robust platforms harness state-of-the-art multi-modal biometric technologies—including facial, fingerprint, and iris recognition—to deliver secure, scalable, and efficient identity solutions.

As the official technology partner for **Indonesia's National ID program** (KTP-el), Interbio Technologies has played a pivotal role in **the design, development, and ongoing maintenance** of the nation's multimodal biometric core system. The company's world-class authentication platform supports **trusted identity verification** using advanced facial and fingerprint recognition capabilities.

Expanding its role as a digital transformation enabler, Interbio Technologies also powers innovations in Indonesia's **maritime sector**, introducing a **unified platform that addresses critical industry challenges**. This solution integrates AI-powered assistance, real-time satellite communication, and satellite imagery, aligning operational needs with evolving regulations and compliance frameworks.

Interbio Technologies is actively engaged in numerous **national and cross-sector initiatives**, supporting both government agencies and private enterprises **in their digital transformation journeys through secure, future-ready infrastructure and technologies**.

NIST National Institute of Standards and Technology U.S. Department of Commerce

iBeta TESTED LEVEL 1 ISO 30107-3 Presentation Attack Detection COMPLIANT

iBeta TESTED LEVEL 2 ISO 30107-3 Presentation Attack Detection COMPLIANT



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Our Solution



Biometric Identity

All our products are based around the highest quality Artificial Intelligence algorithms that are standards-based and validated.



Sovereign Data Center

Our solution makes managing tasks easier.



Deployment with Instant-On Architecture

Lower costs and eliminate requirements for existing modern Data centre Infrastructure.



Generate Revenue from Digital Identity

Enable the government to generate revenue for authentication services with flexible model to both public and/or private institution for identity authentication services of the citizen.



Public Services

Application of social services, filing taxes, voting online, access healthcare services and records, access welfare payments as well as certifications and application of licenses.



Private Sector Services

Reliable source of truth for financial and other commercial institutions, efficient delivery of services.

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Core System Use Cases



National ID System

Capture and store citizen demographic and biometric data.



Government Services

Application of social services, filing taxes, voting online, access healthcare services and records, access welfare payments as well as certifications and application of licenses.



Commercial Services

Reliable source of truth for financial and other commercial institutions, efficient delivery of services.



Law Enforcement

Quickly identify suspects and make investigations more streamlined. Maintain criminal records.



Border Management

Streamline immigration procedures and secure national borders.

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BioCheck™



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BioCheck™

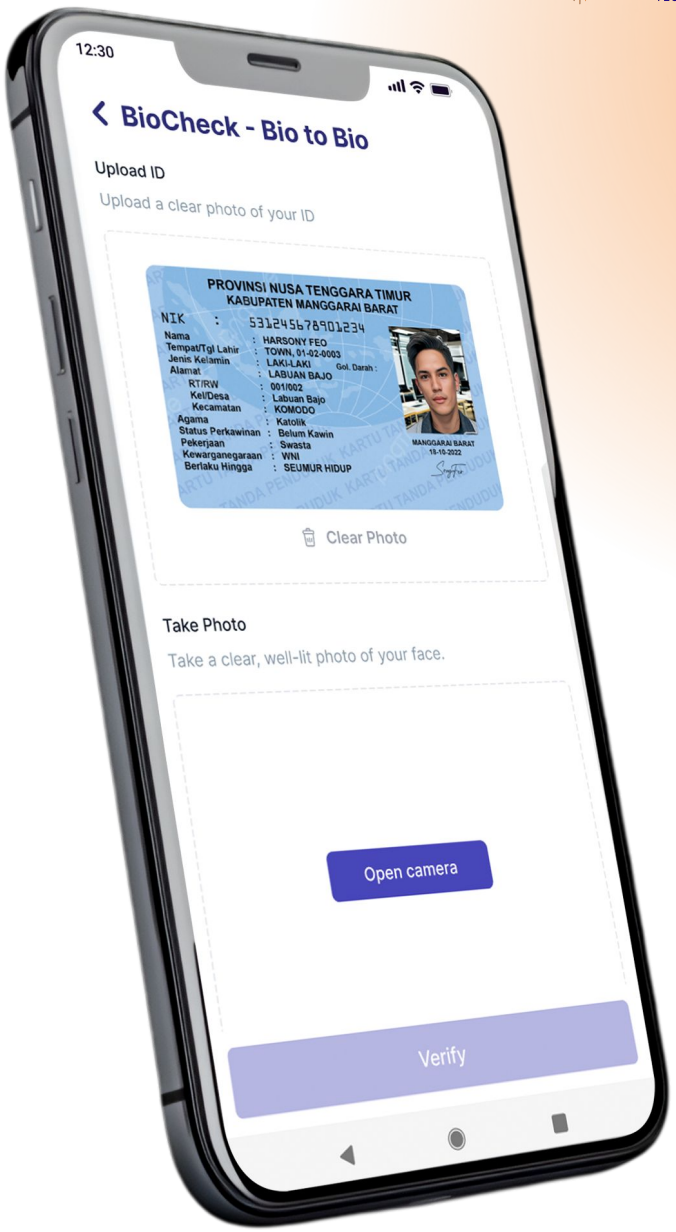
Seamless online verification using facial recognition, fingerprints, or iris biometrics.

BioCheck™ is an eKYC platform powered by biometric verification and authentication. It enables faster access to services through seamless online verification.

Best for: Digital customer onboarding, remote identity verification, e-wallets, fintech apps, public services

How BioCheck™ helps you:

- Faster and accurate identity verification
- Advanced passive liveness detection to detect spoofing
- More secure authentication
- Available for small to large-scale databases



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BioCheck™

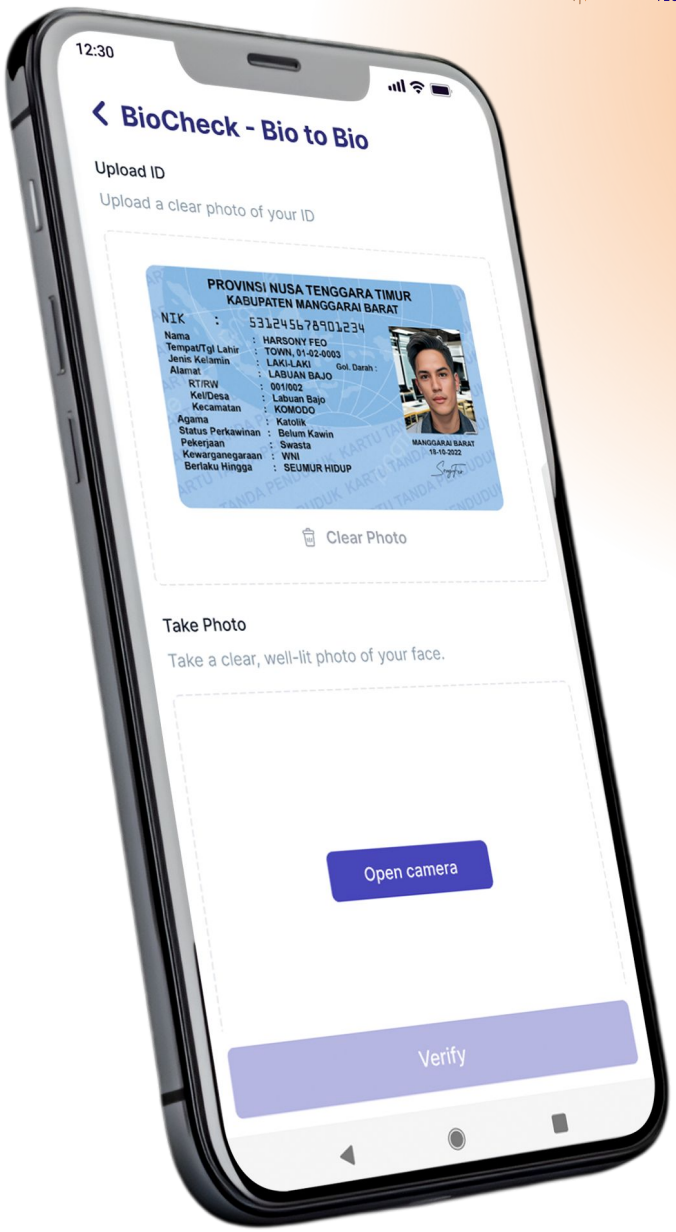
BioCheck™ is a biometric authentication solution (fingerprint, face, and iris) used by governments and the private sector. It enables faster access to services through simple online checks using facial, fingerprint, or iris biometrics.

We offer supporting technologies and products required for an end-to-end solution, such as passive liveness detection and touchless capture technologies.

NIST Proprietary Fingerprint Template Evaluation (PFTI I) for fingerprint recognition with 99.96% accuracy

NIST Face Recognition Vendor Test (FRVT) for face recognition, tested using 1:1 and 1:N methods, with an accuracy rate of 99.98%

NIST Iris Recognition (NISTIR 8207) for iris recognition with 99.94% accuracy



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BioCheck™ 1:1 Local Matching

Check the similarity between two biometric data points (face or fingerprint)

- Prevent fraud and secure your business with the Know-Your-Customer process using biometric identity verification.
- BioCheck™ 1:1 compares one biometric data point (face or fingerprint) against another (e.g., a selfie with a KTP photo or a scanned fingerprint) using a highly accurate algorithm.
- BioCheck™ 1:1 verifies individual biometric data easily within seconds, even under challenging conditions such as overexposures, low light, bad angles, makeup, or an age difference.



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BioCheck™ 1:N Local Matching

Matching one biometrics (face or finger) against all biometrics data within the database to get several most similar individual.

BioCheck™ 1:N is commonly used by law enforcement, other government organizations, and private sectors by comparing one biometrics with a whole number of biometrics data within a database one by one to get the collection of the most similar individuals.

BioCheck™ 1:N recognizes face, iris, and fingerprint easily.



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BioCheck™ 1:1

Compares one biometric input (e.g., selfie, scanned fingerprint, or iris) with another (e.g., ID photo or stored record).

- Fraud prevention
- Local data processing
- Faster and more secure authentication

NIK
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+



VS



=

99% Match

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BioCheck™ 1:N

Enables accurate biometric identification by matching a single input (face, fingerprint, or iris) against an entire database.

- Available for small to large-scale databases
- High-performance algorithms
- Reliable & secure processes



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Recognizing makeup





Able to detect age difference



Able to read a watermarked image



Recognizing masked faces

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BioCode™



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BioCode™

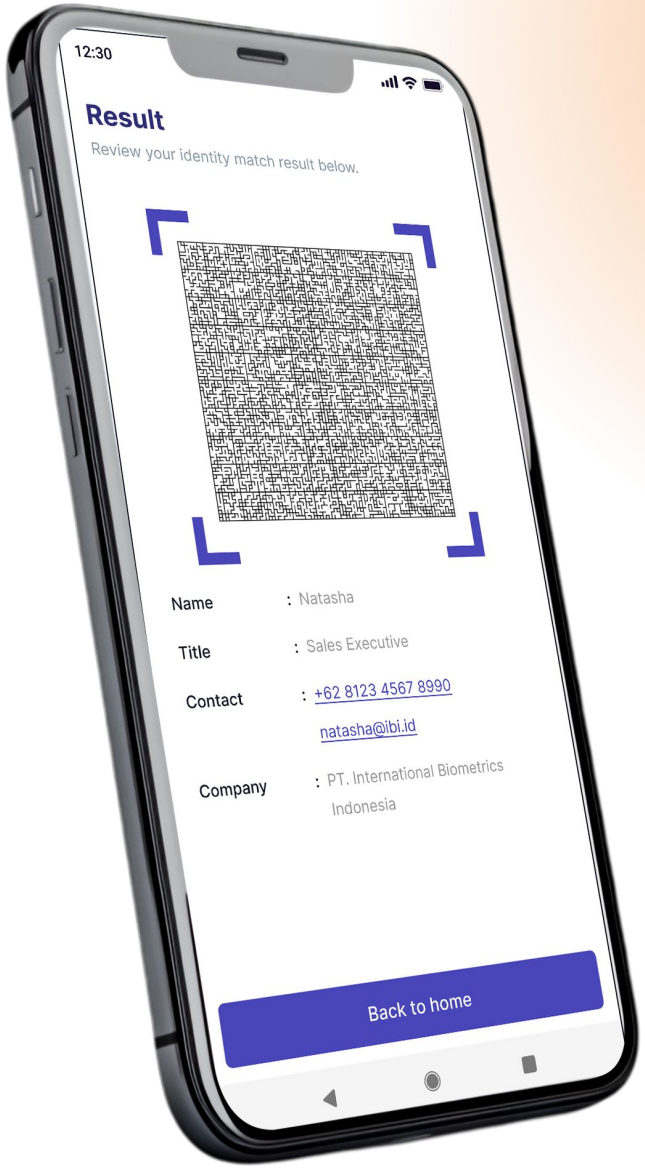
A unique QR Code for smart digital identity verification.

BioCode™ is a patented, revolutionary QR code technology that securely stores encrypted biometric data for a quick and reliable identity verification.

Best for: Certificates, ID card

How BioCode™ helps you:

- Digital identity verification, available online and offline
- Securely stores tamper-proof biometric templates
- Multi-platform format (QR code can be printed on papers or displayed on devices)



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QR Code VS BioCode™



QR Code

- Up to 3 Kb
- Not encrypted
- Stores limited images and texts



BioCode™

- Up to 800 Kb; Stores 9x bigger than QR Code
- 3 layers encryption; Triple-layer security protection to ensure your data is safe
- Stores:
  - Biometric templates
  - Personal data
  - Compressed images

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BioCode™

Uniqueness of Secure Cryptography



Simpler Storage
Storage of biometric templates, demographic data, and a color photograph of the document holder in a small 2D cryptogram.



Multi-Platform
Validation and rendering of data from the code across all leading platforms, including Android, iOS, Windows, .NET, and Java.



High Accuracy
Uses highly accurate, NIST-certified face and fingerprint recognition algorithms for verification.



Convenient
It can be easily integrated into legacy platforms.



Cost-Effective
Inexpensive printing and the use of non-specialized hardware for reading and verification make it highly cost-effective and scalable.

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BioCode™ Verification Process Flow

1



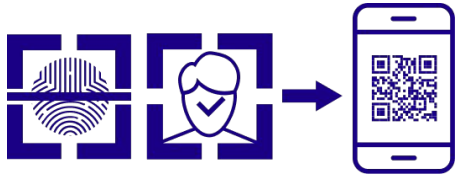
The document holder hands over the document for verification. The verifier scans the document using the specific mobile application.

2



After the code is scanned, the verifier takes a photo of the face or fingerprints of the document holder standing in front of them.

3



The biometric template stored in the code at registration and the live capture during verification are then compared using Interbio's technology.

4



The encrypted information will be revealed after successful verification. High accuracy biometric matching (>99.4%).

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BioWatch™



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BioWatch™

Real-time video surveillance with facial recognition technology — detect quickly, know accurately.

BioWatch™ is a facial recognition-based video surveillance product that works with standard off-the-shelf IP cameras and can be integrated with VMS for security, retail, or labor management applications.

Best for: Law enforcement, personal safety, asset protection



How BioWatch™ helps you:

- Real-time detection and monitoring
- Individual face tracking
- Camera-brand agnostic

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OCR



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OCR

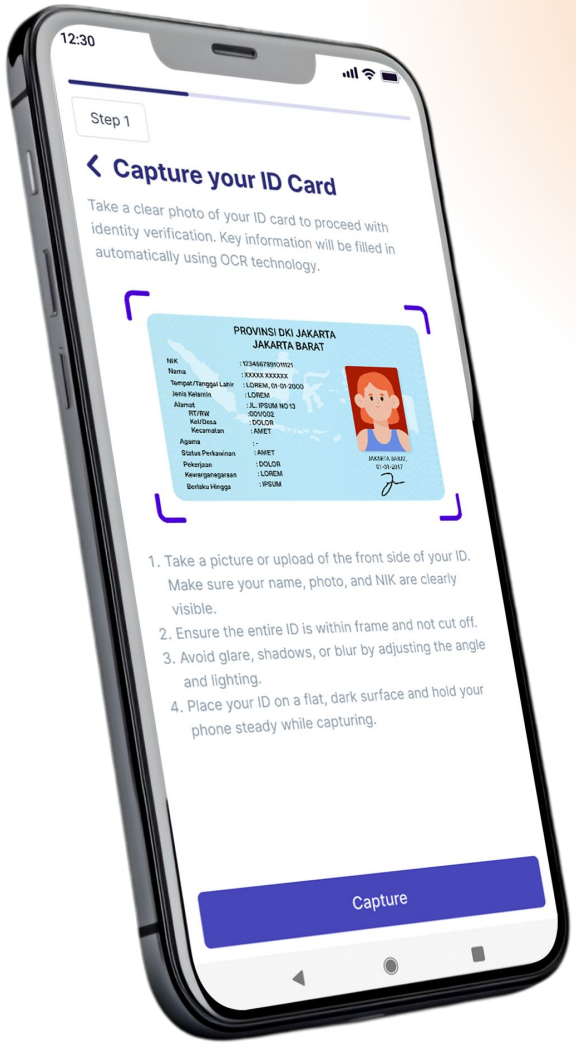
No more typing, OCR will handle the rest.

OCR (Optical Character Recognition) accurately recognizes, extracts, and auto-fills data from various types of identification documents. Simply scan the document, the text will be automatically converted into editable, searchable digital content.

Best for: Digital onboarding, invoice processing, ID verification, document management

How OCR helps you:

- Efficient, accurate, and reliable document scanning
- Auto-fill capabilities
- Data privacy assurance
- Robust web API integration
- Save time, boosting productivity

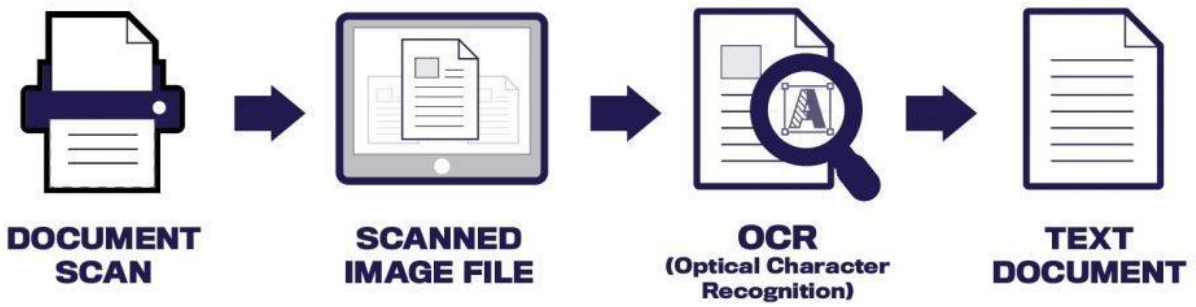


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OCR Process Flow

Make the first impression count with seamless identity document scanning. Instantly extracts information from a wide range of identity documents.

Our OCR technology recognizes, extracts, and auto-fills data accurately, all while maintaining the highest standards of security and data privacy.



- Powered by a web API
- Enhance your user experience with 97% text recognition accuracy
- Supports multiple types of identification documents
- Learns and adapts to your organization’s custom documents

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Passive Liveness Detection



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Passive Liveness Detection

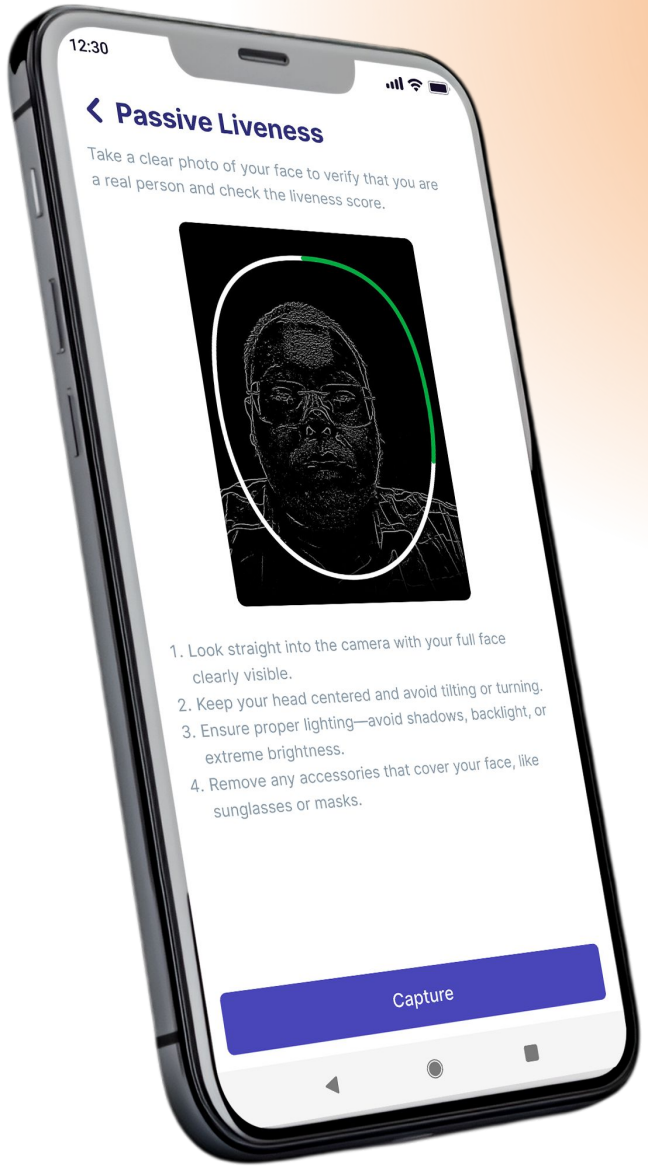
Detect spoofing. Confirm the real you.
Passive liveness detection strengthens identity verification by detecting presentation attacks, deepfakes, spoofing attempts, and AI-generated or manipulated images—without requiring user movement or interaction. Delivered as a secure package that protects data integrity during transmission and verification.

Successfully passed independent iBeta Presentation Attack Detection (PAD) testing at both Level 1 and Level 2 in accordance with the ISO/IEC 30107-3 standard.

Best for: Mobile banking and fintech apps, eKYC, MFA (Multi Factor Authentication)

How passive liveness detection helps you:

- Seamless, user-friendly experience, no user movement or interaction required (i.e. blinking, turning head, etc.)
- Wide range of applications, including digital identity verification, user onboarding, and MFA
- Faster and accurate verification
- Ideal for remote onboarding
- Anti-spoofing protection—detects masks, deepfakes, etc.
- Available for Web SDK, Android, iOS, and server-side deployment



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Dynamic e-Survey



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Dynamic e-Survey

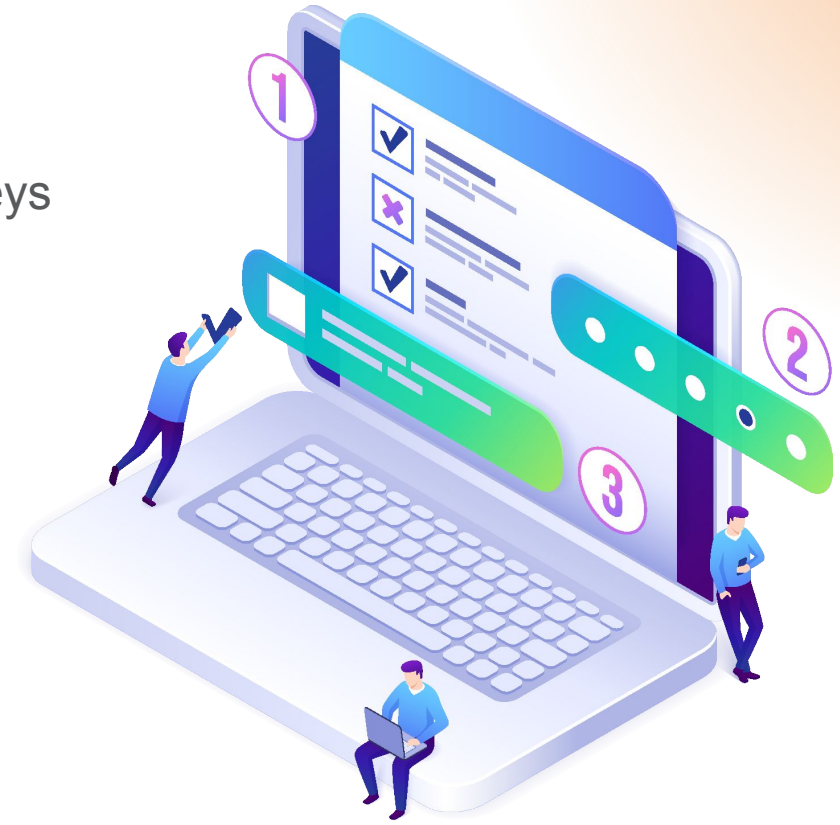
Integrated solution that streamlines the entire survey process, powered by BioCode™, AI, and Blockchain.

Dynamic e-Survey is an end-to-end platform for creating and conducting surveys dynamically. It offers a new way to run surveys quickly, easily, and securely.

Best for: Survey institutes, pollings, research firm

How Dynamic e-Survey helps you:

- Drag and drop survey builder
- Assign surveyors and respondents securely
- Validate input in real-time using AI
- Instantly generate e-Certificates
- Data and analytics updated in real time on the dashboard
- Validate certificates with a BioCode™ scan, displaying full survey details



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e-Certificate



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e-Certificate

Complete digital solution for certificate issuance, verification, and validation.

e-Certificate is more than just a certificate engine—it's a platform powered by BioCode™, AI, and blockchain technology. You can easily create and customize your certificates with secure digital identity verification.

Best for: Workshops, trainings, courses, memberships



How e-Certificate helps you:

- Flexible drag and drop editor, no coding needed
- Fully automate certificate issuance
- Instant and secure identity verification with BioCode™
- Immutable audit and revocation

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BIG©

Biometric Identity Grid

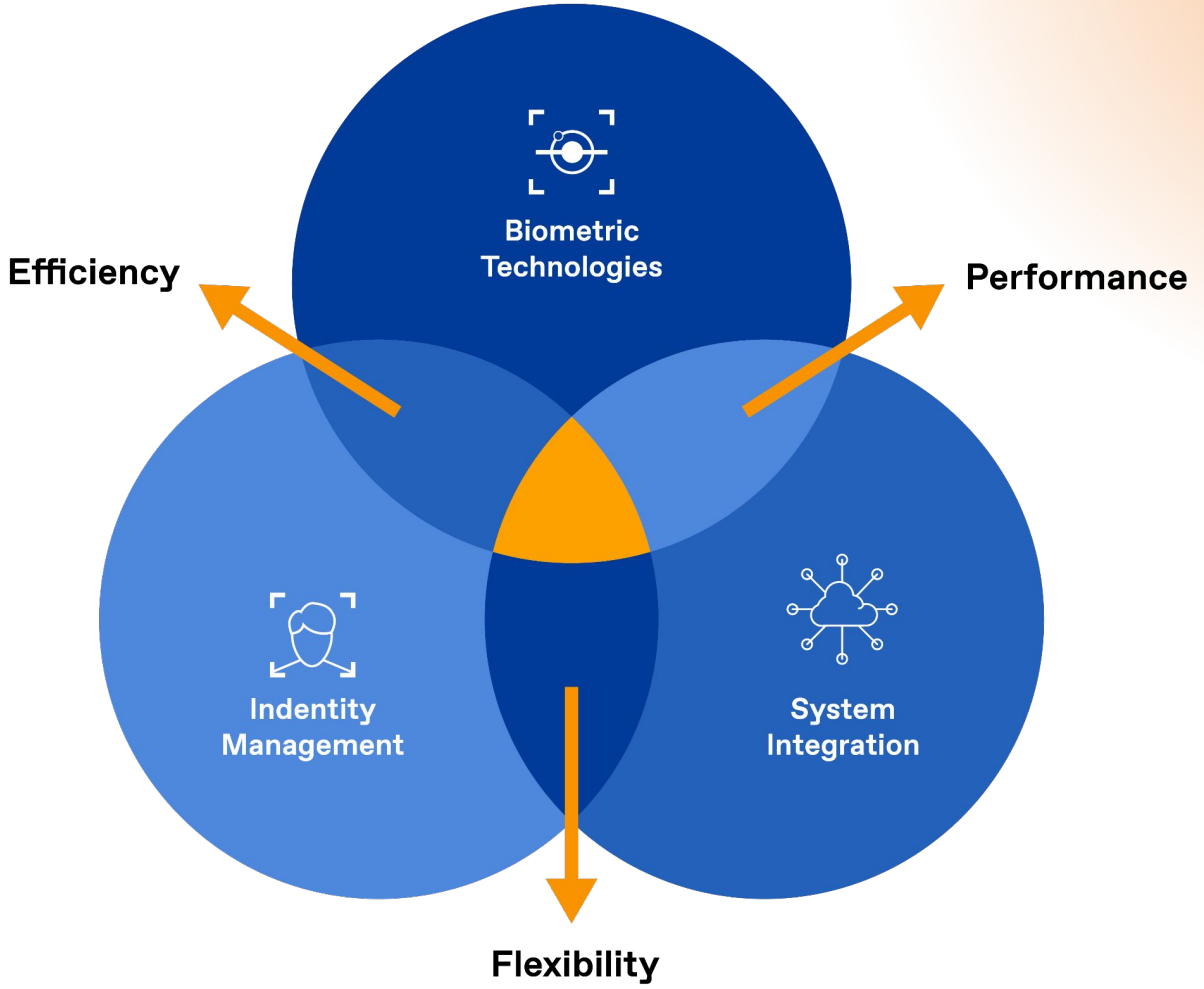


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BIG©

Interbio Technologies offers custom end-to-end identity solutions, leveraging the BIG© platform along with other proven off-the-shelf components.

These solutions seamlessly adapt to customer-defined operational and budgetary requirements, delivering high levels of performance, efficiency, and flexibility.



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SLA & Service Hour

Consultancy

- Responses are provided within 4 to 24 hours, depending on the issue.
- Resolutions are delivered within 2 business days to 30 calendar days, based on the complexity and required actions.

Managed Service

- Responses are provided within 4 to 24 hours, depending on the issue.
- Resolutions are delivered within 2 business days to 30 calendar days, based on the complexity and required actions.

Service Hour

- Mon-Fri (Working Days): 08.30-17.30
- Supporting media: Email (helpdesk_koordinator@interbio.id), chat, ticketing (Depends on the demand)
- Onsite support is available with more than 1 person in charge

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Thank you

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08.30 – 17.30



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