Papilon DIP
Digital Identity Platform

PAPILON

About Us

We Papilon, **EMEA's unique end-to-end biometric device and system manufacturer company and R&D center,** were founded in 2012, **grew into a publicly-owned company in 2019,** and today we comprise a number of trendsetter products and expert solutions around the world in biometrics and AI.

We have more than **20 excellent solutions for cross sectors in 4 products;** in government, finance, health, law enforcement, facility management, media, retail, and transportation industries with the power of biometrics and the huge developmental capacity of artificial intelligence.

Since the day of our establishment, we have always believed in covering the needs of the market, for **government, private industry, and end-user,** whom we see as its lifetime partners, by offering required solutions rapidly and with high quality.

Today, we work on standard-defying R&D projects of biometrics in areas ranging from **artificial intelligence, machine learning, actionable data analytics, digital human, and autoML** to computer vision that makes life easier. Also, we increase our global presence day by day and convert it into a competitive advantage by expanding our product range and service, including AI-based person, behaviour, activity and object recognition, smart security services, multimedia processing systems applications, and many more, **respectfully to people, data privacy and knowledge.**

We care about the privacy of your data on this path that we set out with respect to both information and personal rights, and we act diligently while producing the technologies we offer to **make your life easier.** One of our most important missions is to ensure that you live your experience **safely.**

Moreover, we believe that working together in collaboration can find the answers to create a better future for all. So, one of the most important values that make us who we are is our **respect for diversity and different perspectives.** In addition to our respect for gender, race, language, and religious equality, our egalitarian attitude towards different ideas and understandings creates a sense of trust in our brand internally. We demonstrate the 360-degree solution-oriented approach we embrace, **not only for our customers but also for our colleagues.**

We create sustainable values and solutions **beyond biometrics** by implementing our high-quality and distinctive technologies. We work on increasing the welfare level of the geographies we touch and enhancing the efficiency of bureaucratic, judicial, and civil processes with a **holistic intelligence** conscious and a global approach.

Papilon with Numbers

10+ Years of Successful Work Experience
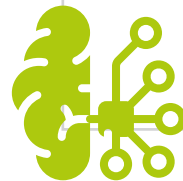
9 Patents and Trademarks

50+ EU Goods Certificate (Made in Türkiye)

65+ Expert Employees

50+ Countries Active Sales Operation

20+ Ongoing R&D Projects

3M+ USD Spending on R&D

50+% Shared Registered in *BIST (Since 2019)
*BIST is the Stock Market of Türkiye

Product Mix & Science Behind

HOLISTIKA
Next Generation ABIS

Science

Image Processing, AI, Embedded Software, Hardware / Sensor Development, C Programming, File Management System Development, Search & Matching Programming

Tech
- Fingerprint & Palmprint Identification
- Face Recognition
- Iris Recognition
- Ballistic Examination
- Mobile Systems
- Border Control
- Digital Identity

Digital Identity Platform

Science

AI, Algorithm Development, Image Processing, Cloud, Mobile Application Development, OCR

Tech
- Person Identification (Face Recognition)
- Liveness Check
- Access Control
- Digital Onboarding
- Video Call

Data-Driven Insight Platform

Science

AI, ML, Algorithm Development, Image Processing, Cloud

Tech
- Person Identification
- Access Control
- Face&Object Detection
- Behaviour Analysis
- Skeletal&Motion Analysis
- Multimedia Processing (Image, Video, Real-Time Video)

Digital Human

Science

AI, Motion Analyses, Nature Language Processing, OCR, Speech to Text - Text to Speech, Computer Vision, Animation Development, Cloud

Tech
- Digital Human Creator
- Dialogue Simulator
- Analytic
- Live Chat

Our Certificates

FBI BIOMETRIC Center of Excellence — Federal Bureau of Investigation — Advancing Biometrics

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

ISO

ICAO · OACI · ИКАО

TSE

CE

TÜRKMALI

Papilon DIP

Digital Identity Platform

DIP – Digital Identity Platform

The continuous trust framework to securely verify persons, businesses, and customers' identities through ID documents, selfies, and third-party databases for cross-channel assurance.

Meet with Turkey's first digital biometric identity platform, developed with ease of use, modular integration capability for corporate-level needs, and our expertise in biometrics and AI. Fill the gaps with our continuous identity technology to create one digital identity to rule a frictionless journey through digital onboarding and cross-channel authentication.

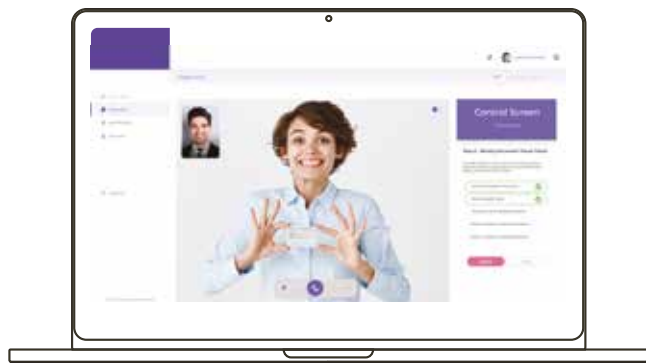**Digital Onboarding** is on duty!

Feel the Platform Power with Papilon's Digital Identity Framework, Designed for the Community in Trust

Design custom verification processes no matter your requirements are complex or not and deploy your powerful identity solution in minutes. DIP is designed for continuous identity management with NIST FRVT ranked facial biometrics, global identity document verification, and passive liveness detection with a single selfie. Digital Identity Framework offers a full-stack technology set of client and server components with SDKs, APIs for both native mobile and web applications.

How does DIP Work?

DIP PANEL

KYC Management and Operator Panel

Take the control of the customers, businesses, and users' remote onboarding with a fully customizable video KYC panel. DIP helps to manage fraud detection, risk assessment, and identity management at a glance. Give your KYC experts superpowers to live assistance for your customers with ID verification checks, watchlists checks, AML checks all from one dashboard.

- Real-time process tracking
- Step-by-step ID verification control
- Video call and operator panel
- Suspicious activity detection and reporting
- Customizable KYC reports
- Ready-to-use public or private cloud options
- Fully customizable screens and workflows

DIP MOBILE

Document Verification

Global coverage:
190+ Countries documents
- ID Cards
- Passports
- Driver's Licenses
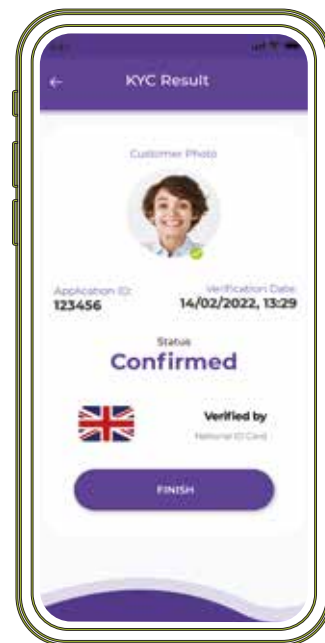- Custom document training service (ML Service)

Data Extraction and Additional ID Checks

AI-OCR engine automatically extracts data from the document and validates format and information.

Facial Recognition and Liveness Check

NIST FRVT ranked face recognition, gesture recognition, and liveness check with a single photo.

Digital Onboarding is Done!

After verification, biobarcode and result report are created.

DIP Core Capabilities

Identity Authentication
- Document data extraction - OCR
- Machine-readable zone - MRZ
- Near Field Communication - NFC
- AI-Powered OCR
- Liveness detection (passive and active)
- Facial recognition
- Gesture recognition
- Voice recognition
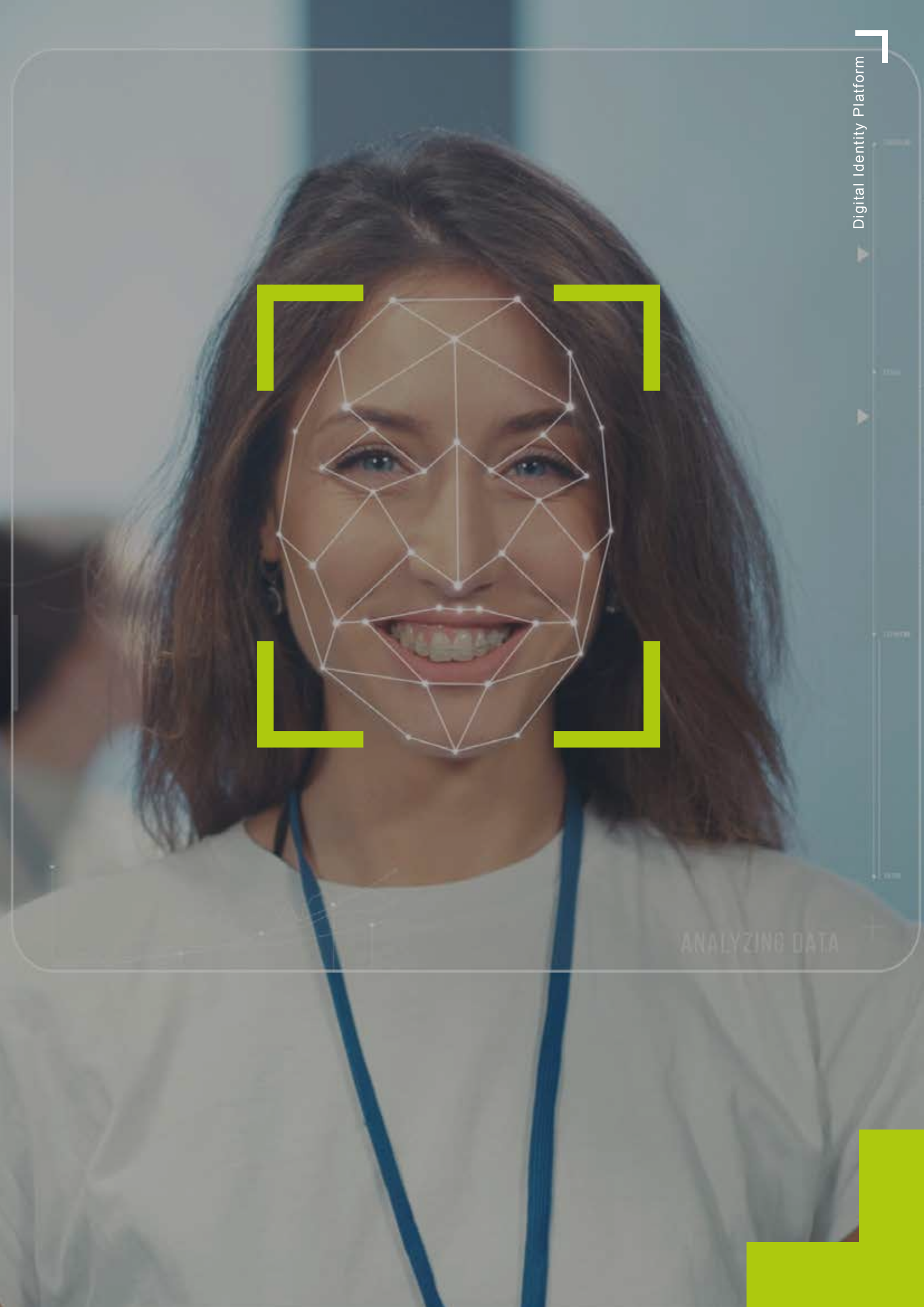- MFA – Multi-factor authentication

Identity Proofing
- ID document capture and verification
- Biometric capture and verification
- Consent verification
- Government trust verification
- AML compliance check
- Third-party database checks

Identity Management
- Data deduplication
- Biometric encryption
- Blockchain integration
- Biometric database storage
- 3rd party database integration
- White-label identity verification platform
- Video Call Module – KYC

ANALYZING DATA

Digital Identity Platform
Experience

Flexible development tools for a next-generation identity verification experience on Web, iOS, and Android.

Available in device-centric, server-centric, and web-based configurations.

Provide a seamless user verification experience with global document support in 190+ countries.

NIST FRVT certified facial recognition technology in %99,22 accuracy with also gender recognition, emotion recognition, and age recognition.

Advanced liveness detection with a 3D facial map with a single photo.

Multi-factor authentication (MFA) with SMS OTP, PIN control, device info, gesture recognition, and voice recognition.

Use DIP's AI-OCR to check template, fonts, security features, including optically variable ink, holograms, fine line patterns, watermarks, stamps, optical stripe, security laminate, text, and barcode/MRZ consistency check.

Create biometric-based QR codes for seamless services.

Create custom video KYC flows with DIP Portal or with SDKs and our APIs for localized market requirements.

Compliant with global standards and guidelines Certifications and Compliances.

Designed For the Community in Trust

Digital Onboarding & KYC

Age Verified Digital Systems

Smooth Passenger Experience

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