



# About Papilon



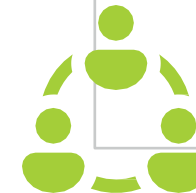
10+ Years of Successful  
Work Experience



9 Patents and  
Trademarks



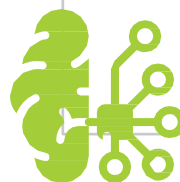
50+ EU Goods Certificate  
(Made in Turkey)



65+ Expert  
Employees



50+ Countries Active  
Sales Operation



20+ Ongoing R&D  
Projects



3M+USD Spending  
on R&D



50%+ Shares Registered  
in \*BIST (since 2019)

\*BIST is the Stock Market of Turkey

# Our Certificates



*Compliance with national and international standards production and management model.*

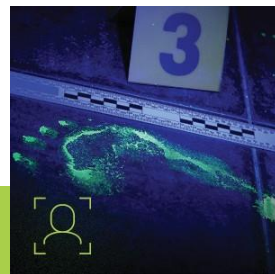




# Solutions



**Government**



**Law Enforcement**



**Finance & Telco**



**Health**



**Facility & Workforce  
Management**



**Media &  
Marketing**



**Travel &  
Transportation**



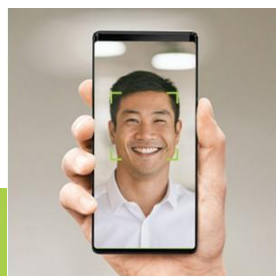
**Retail & E-Services**



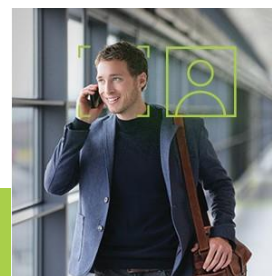
# Products



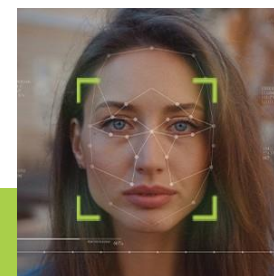
**HOLISTIKA**



**Digital Identity Platform**

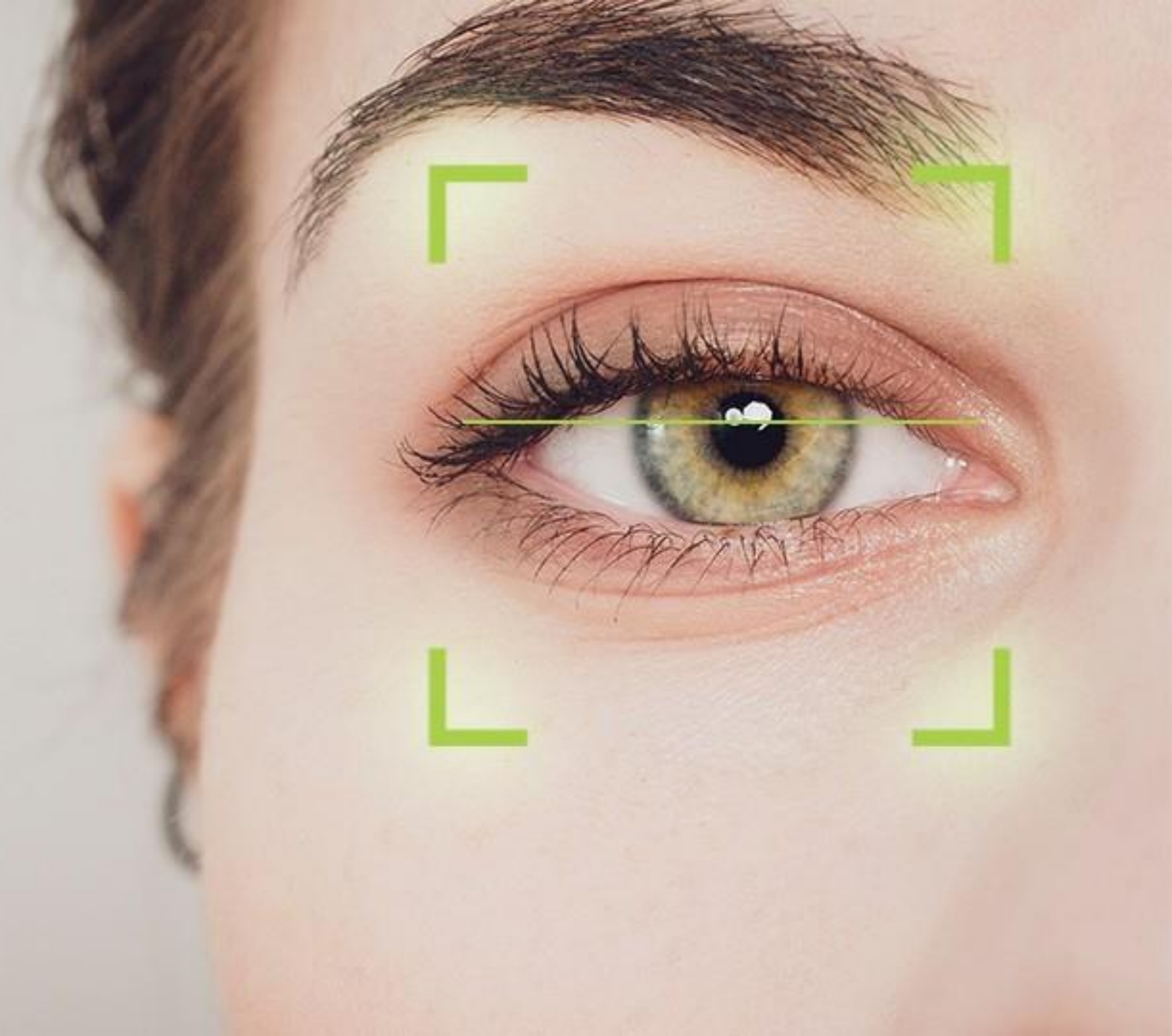


**Data-Driven Insight Platform**



**Digital Human**







# HOLISTIKA



**The Perfect Duo: The Power of Biometrics and AI,  
Designed for Holistic Solutions**



# HOLISTIKA - Core Capabilities



**Multi-Modal  
Capability**



**The State-of-the-Art  
in Biometrics**



**Proprietary Secure  
HOLISTIKADBMS**



**Easily Plug-in  
Biometric Identification**



**Global Data-  
Exchange Coverage**



**Flexible Architecture,  
Unlimited Database Space**



**AI-Based  
Forensic Identification**



**Platform  
Independent**



**Accessible and  
User-Centric Experience**



**Global  
Standards**



**Ease of  
Configuration**



**No Vendor  
Dependency**

## HOLISTIKA Application SWs

### HOLISTIKA LS App

LiveScanner Application Software

### HOLISTIKA Express ID

Express Identity Check Application Software

## HOLISTIKA Stations

### HOLISTIKA Station 1101

Multi-Biometric Workstation with Palmprint

### HOLISTIKA Station 4421

Multi-Biometric Workstation with Fingerprint

### HOLISTIKA Station F

Biometric Photography Station

## DIGITAL ID PLATFORM

## EVIDENT

Evidence Identification and Photography Kit

## PYUZ

### Automated Face Identification System

#### PYUZ Central

Automated Face Recognition Central Software

#### PYUZ Workstation

Automated Face Recognition Workstation Software

#### PYUZ Snapface

Face Recognition from Video Processing Software

#### PYUZ SDK

Face Recognition Software Development Kit

#### PYUZ Modelika

Criminalistic 3D Photo Sketching Application

## HOLISTIKA Core

HOLISTIKA Matcher Software

HOLISTIKA Server Software

HOLISTIKA Workstation Software

HOLISTIKA Integration Module

HOLISTIKA Forensic

Forensic Identification and Analysis Software

HOLISTIKA Neuro

Artificial Intelligence Module for ABIS

## FORENSIKA

### Forensic Automated Ballistic Identification System

#### FORENSIKA

Central Forensic Automated Ballistic

Identification Central Software

#### FORENSIKA Workstation

Forensic Automated Ballistic

Identification Workstation Software

#### FORENSIKA Server

Forensic Automated Ballistic

Identification Server Software

#### FORENSIKA BS

Ballistic Scanner

## BEOGS

Biometric Integrated Electronic Gate (E-Gate) System

BEOGS ABC - Automated Border Control Gates

BEOGS EasyPass- Self Boarding Gates

## PARS

Personnel Access Radar System

PARS Camera Software

PARS Tablet Software

PARS Admin Software

PARS Central Software

OPTIKA - Dual Iris Scanner

KS 01 - AI-based Access Control Unit

GK 01 - Fingerprint Access Control Unit

## LS Series

PAPILON LiveScanners

LS 01 | Livescan Single Fingerprint Scanner

LS 11 | Livescan Dual Fingerprint Scanner

LS 1101 | Livescan Palmprint Scanner

LS 1101 S | Livescan Palmprint Scanner with Screen

LS 4421 | Livescan Tenprint Scanner

LS 4421 S | Livescan Tenprint Scanner with Screen

LS FA | LiveScan Footprint Scanner for Adults

LS FB | LiveScan Footprint Scanner for Babies

## MT Series

PAPILON Mobile Terminals

MT 06 | Mobile Biometric Enrollment Terminal

MT 07 | Mobile Biometric Verification Terminal

MT 07 Light | Wireless Biometric Terminal

MT 08 | Wireless Biometric Enrollment Terminal

#### MT Suitcase

MT Suitcase 1101

MT Suitcase 4421

MT Suitcase Expert

MT Suitcase Forensika

Mobile Biometric Workstation

MT Baby | Mobile Terminal for Baby Footprint



LS SERIES

# Papilon Live Scanners

Papilon's live-scanning fingerprint scanners are designed to capture fingerprints and send them to a database for later inquiries.



**LS-01**

**Livescan Single  
Fingerprint Scanner**



**LS-11**

**Livescan Dual  
Fingerprint Scanner**



**LS-1101**

**Livescan Palmprint  
Scanner**



**LS-1101 S**

**Livescan Palmprint  
Scanner with Screen**



**LS-4421**

**Livescan Tenprint Scanner**



**LS-4421 S**

**Livescan Tenprint Scanner with Screen**



**LS-FA**

**Livescan Footprint Scanner for Adults**

**LS-FB**

**Livescan Footprint Scanner for Babies**



## MT SERIES

# Mobile Biometric Terminals

Borders, migration bureaus, refugee camps, crime scenes, traffic... Places where the density of crowds and disorder can intervene with the critical registration and control processes, and increase the risk of error. Papilon's mobile solutions are designed to tackle these problems.



MT-06



MT-07



MT-07 LIGHT



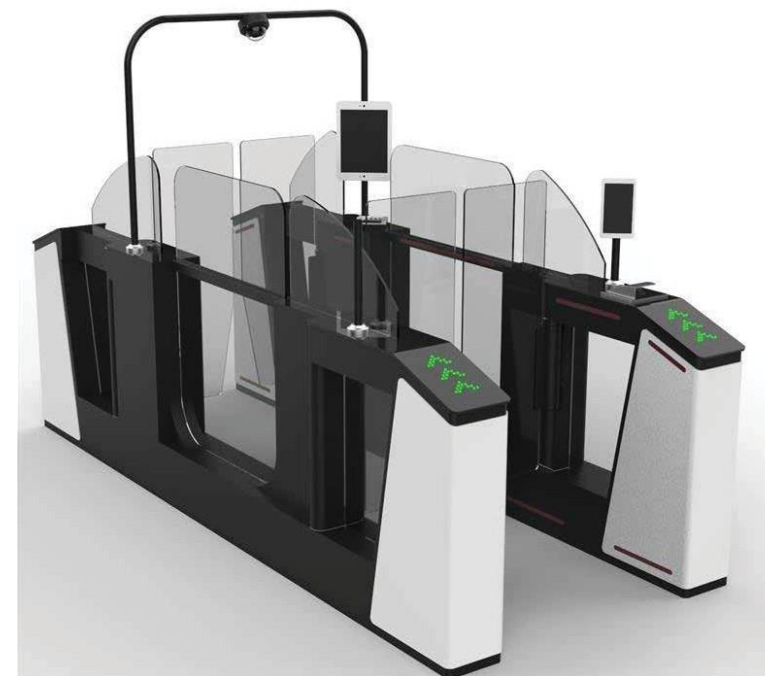
MT-08



MT SUITCASE

# BEOGS

BEOGS is the best e-gate designed for not only airports, but also seaports, railroads, highway checkpoints, and bridges.

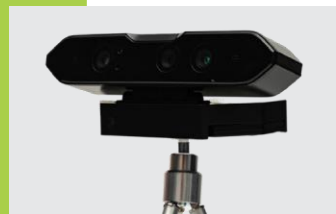


# PARS

Papilon PARS is an efficient measurement and access control system that can comprise different modules depending on the user's needs.



OPTIKA



KS-01



GK-01

# PYUZ

PYUZ is Papiilon's face recognition software that does face recognition from photographs and videos. Unlike some face recognition systems, PYUZ is able to recognize faces from moving images, such as videos or CCTV footage.



- **PYUZ Central – Workstation**
- **PYUZ Snapface**
- **PYUZ SDK**
- **PYUZ Modelika**





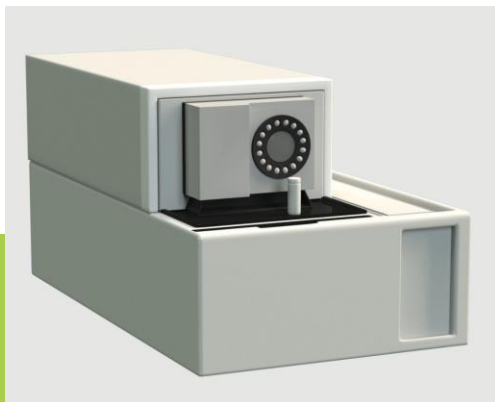
# EVIDENT

EVIDENT is an evidence photographing kit designed to be used in crime scenes for documenting the evidence collected instantaneously.



# FORENSIKA

- HIGH ACCURACY RATE
- SMART CANDIDATE LIST
- DIMENSION OPTIONS
- MULTITASKING WITH ONE CLICK



FORENSIKA BS



# HOLISTIKA Stations



HOLISTIKA Station 1101

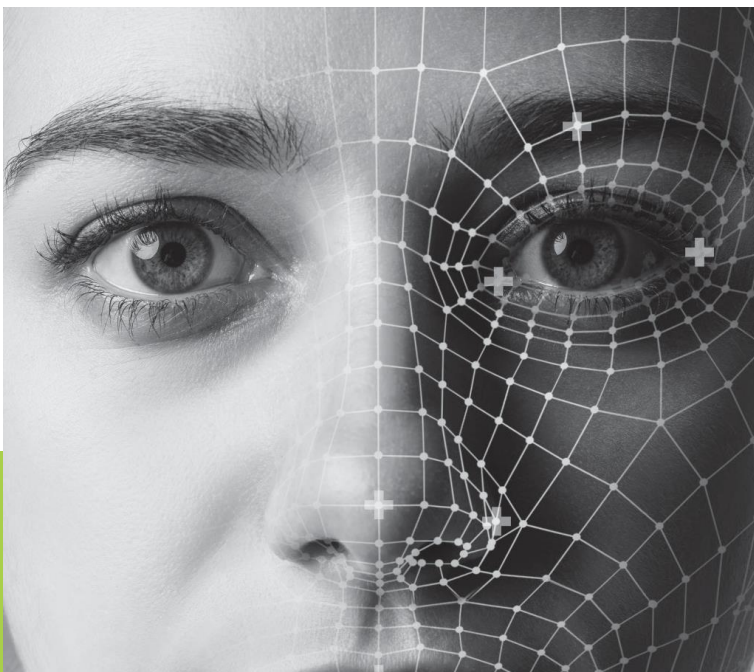


HOLISTIKA Station 4421



HOLISTIKA Station F

# HOLISTIKA Application SWs



- HOLISTIKA LS App
- HOLISTIKA Express ID



# Proud of Papiilon



**Turkish National Police  
Department of Police  
Forensic Laboratories  
APFIS Project**



**Turkish Gendarmerie  
Department of Forensic  
Laboratories  
OPTES Project**



**The General  
Directorate of  
Migration Management  
CDM Project**



**Bhutan Royal  
Police  
Department  
APFIS Project**



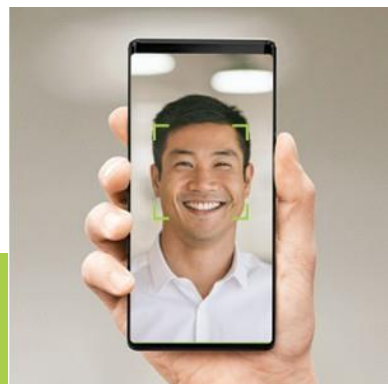
**Ministry of Justice  
General Directorate  
of Prisons and  
Detention Houses  
Personnel and  
Prisoner  
Management  
APFIS Project**

**Integration of Smart  
Technologies  
in Prisons  
APFIS Project**

# Digital Identity Platform



# Digital Identity Platform



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



# Digital Identity Platform - Core Capabilities



**Identity Authentication**



**Identity Proofing**



**Identity Management**



# Digital Identity Platform - Mobile



## Document Verification

Global Coverage: 190+ Countries Documents

- ✓ ID Cards
- ✓ Passports
- ✓ Driver's Licenses
- ✓ Custom document training service (ML Service)



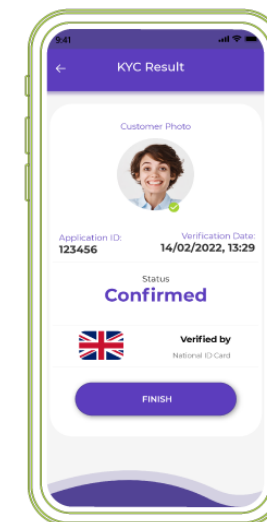
## Data Extraction and Additional ID Checks

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



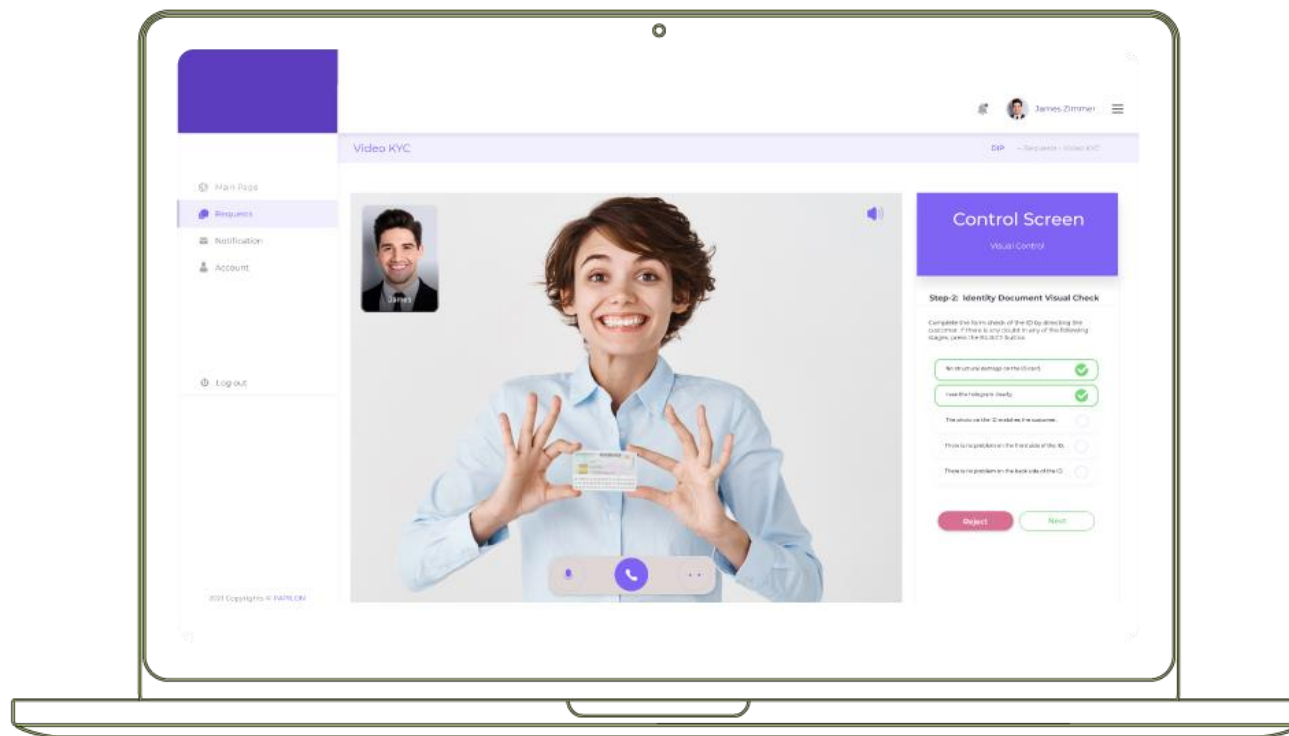
## Digital Onboarding Is Done!

After verification, bio-barcodes and result report are created.

# Digital Identity Platform - Panel

## KYC Management and Operator Panel

- ✓ 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



# NIST Performance Summary

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

FALSE NON-MATCH RATE (FNMR)								
Algorithm	Constrained, Cooperative						Unconstrained, Non-Coop	
	FMR	= 0.000001	= 0.00001	= 0.00001	= 0.000001	= 0.000001	= 0.00001	= 0.00001
	Submission Date	VISA Photos	MUGSHOT Photos	MUGSHOT Photos AT ≥12 YRS	VISABORDER Photos	BORDER Photos	WILD Photos	KIOSK Photos
papsav1923-002	2022-01-20	0.0034 <sup>(33)</sup>	0.0026 <sup>(23)</sup>	0.0030 <sup>(30)</sup>	0.0048 <sup>(58)</sup>	0.0093 <sup>(54)</sup>	0.0337 <sup>(168)</sup>	0.0564 <sup>(14)</sup>
papsav1923-001	2021-03-10	0.0130 <sup>(196)</sup>	0.0068 <sup>(181)</sup>	0.0105 <sup>(187)</sup>	0.0119 <sup>(183)</sup>	0.0221 <sup>(167)</sup>	0.0325 <sup>(137)</sup>	-

Showing 1 to 2 of 2 entries (filtered from 406 total entries)

Previous1Next

23th place out of 416 companies.

14th place out of 416 companies.

# Proud of Papiilon

**EĞÜVEN**

## E-Guven

The First and Leading  
Digital Certificate and  
Mobile Signature Service  
Provider in Turkey

**Digital Identity Platform**



## Marbas Investment

One of the Essential  
Investment Firms  
in Turkey

**Digital Identity Platform**



## Tacırlar Investment

The Largest Independent  
Investment Firm in Turkey  
in Terms of Equity

**Digital Identity Platform**

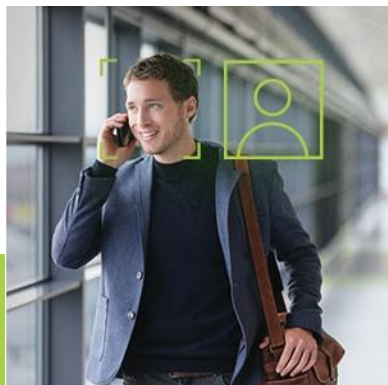
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# Data-Driven Insight Platform

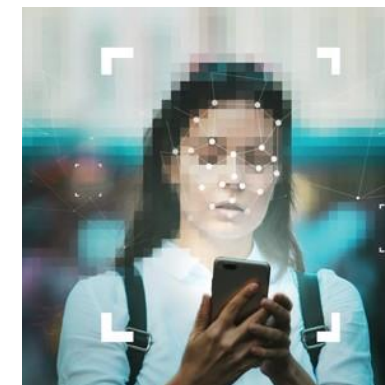




# Data-Driven Insight Platform



**Let's Make AI a Core Competency within Your Business, Designed for Plug and Play AI Solutions**



# DDIP - Core Capabilities



Facial Recognition



Behaviour Detection



Object Detection



License Plate Recognition



Vehicles Detection



Image Tagging and Filtering



Event Analytics



People Counting



Hardware Independent



Multi-Media Analysis



Hybrid Deployments



Custom Dashboard and Analytics Builder

# Proud of Papilon



## MiGROS

**Migros** – One of the  
Biggest and Essential  
Retailers

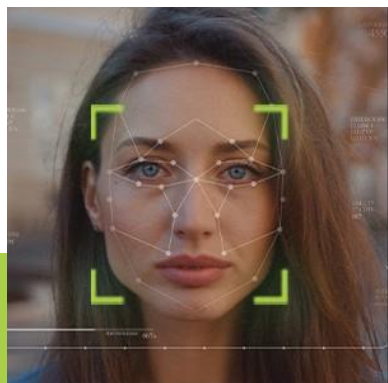
**Data-Driven Insight Platform**

# Digital Human

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# Digital Human



**AI-powered Digital Human Technology Platform,  
Designed for Delivering Human and AI Collaboration**





# Digital Human - Core Capabilities



**Digital Brain**



**Dialogue Simulator**



**Story Mode**



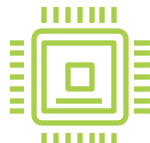
**Custom Digital  
Human Creation**



**Multilingual**



**Omni-Channel  
Experience**



**Easy and Flexible**



**Customer  
Experience Analytics**



**24/7 Support**

# Thank You



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