

MorphoWave™ TP

Contactless, on-the-move
ten-fingerprint capture



B iometric technology is fundamental for secure and seamless journeys at the airport. Contactless, on-the-move fingerprint acquisition speeds up the capture process and mitigates hygiene concerns, resulting in greater efficiency and a better traveler experience.



Frictionless ten-fingerprint capture for enrollment and identity verification



MorphoWave™ TP is a **field-proven** fingerprint solution for frictionless processing at land, air and sea borders. It offers **contactless, on-the-move ten-fingerprint** capture (four fingers simultaneously and a thumb) in any direction.

This **unique touchless biometric** solution of its kind produces high-quality fingerprint images in **less than one second**. All of this is done with a **simple wave** of the hand.

Compatible with existing **contact databases** and **traditional contact scanners**, it is suitable for a **wide range of use cases** such as border control. Typical applications include self-service kiosks, eGates and manual counters.



IDEMIA, #1 in biometric technology

In 2019, the NIST conducted an Interoperability Assessment: contactless-to-contact fingerprint capture. Results demonstrated that MorphoWave™ is fully interoperable with legacy contact databases, using legacy algorithms. Moreover, MorphoWave stood out as the best performing contactless device, in terms of matching rate and image capture speed.

The efficiency of MorphoWave has already been proven with 15,000 units in use around the world within corporate and border control projects. In **Iceland**, for the framework of the European Entry/Exit System, local law enforcement agencies and

Keflavik International Airport deployed MorphoWave technology at all border control kiosks. This was in lieu of the previously planned contact livescan sensors. In **Benin**, the Ministry of Interior modernized the immigration counters with IDEMIA's TravelCounter solution, equipped with MorphoWave, as well as their system for checking and registering people entering and exiting from Cotonou International Airport.

In **Oman**, MorphoWave is part of a fully contactless, automated border control solution, at Muscat International Airport, to secure and smooth the clearance process at arrivals and departures.



Unique, contactless fingerprint acquisition solution



- Patented contactless 3D fingerprint scanning technology
- Optimized thumbprint capture
- Embedded anti-spoofing capability
- User feedback: LED colored cap
- Sleek design with a transparent cap for easy use
- Water and dust resistant (IP 54)
- Easy installation and maintenance
- RoHS: hazardous substances certification
CE: EMC/safety standard

MorphoWave™ TP additional benefits

#1 BIOMETRIC TECHNOLOGY

- › **High-quality, no-compositing images:** fingerprint texture, shape and curvature are captured for rich fingerprint images
- › **Image processing** for increased interoperability with legacy systems (optional)
- › **IQS PIV** certified
- › **NFIQ2** compliant
- › **Compatible** with existing contact databases (NIST Interoperability Assessment 2019)
- › **No latent print left** on the scanner
- › **Fake finger** detection
- › **No local storage** of biometric data
- › **Privacy by design:** compliant with the European General Data Protection Regulation (**GDPR**)

HIGH USABILITY

- › **High throughput** thanks to on-the-move fingerprint capture
- › **No cleaning** between scans required
- › **No specific skills** necessary to operate and maintain
- › **Fully configurable** settings and operational parameters
- › **Ethernet** interface
- › **Compact design**, all components are housed in a single device, no need for additional computers

USER-FRIENDLY

- › **Touchless** device **mitigating** hygiene concerns
- › **Ergonomic:** transparent cap facilitates (left or right hand) capture in any direction
- › **100% non-intrusive** capture
- › **Guaranteed** fingerprint capture for a wide range of traveler profiles
- › **Compatible** with **wet, dry, dirty** or **damaged** fingers
- › **Color instructions** for traveler guidance