

MFace Flex

Enhancing crowd flow management with innovative facial recognition



This solution supports secure entry and exit workflows and has the power to enroll and simultaneously capture multiple faces, leveraging multiple cameras of different types, across configurable capture distances of up to 10+ feet. MFace Flex is designed to detect, analyze and match an image against known persons in a total processing time of 1.5 seconds or less. This highly flexible solution allows unique, flexible configurations optimized for your specific environment.

Even in highly frequented public spaces, where access control is required, it is important that people reach their destination safely and quickly. From the individuals' vantage point, it's about convenience and speed. For the service provider, it's about efficiency in ensuring high-throughput and that individuals are accurately identified.

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MFace Flex is designed to take crowd flow management to the next level. It allows individuals to keep moving at all times, while it detects and captures their face from up to 10+ feet away.

This cutting edge facial biometric technology provides an elite identity verification solution suitable for

multiple industries. It sets the bar in a wide range of environments, including commercial transportation, such as airports and cruise lines, event venues, stadiums, sports arenas, theme parks and gaming venues.

Highly flexible, MFace Flex comes either as a ready-to-deploy IDEMIA package or as a stand-alone software application license that can be used with existing cameras and infrastructure, customized to the venue-specific needs. It also supports facial image enrollments from various mobile devices.

Why IDEMIA?

MFace Flex is a camera-agnostic solution that allows you to leverage existing digital video camera infrastructure, or employ a solution that includes both software and hardware. MFace Flex biometrically detects and recognizes multiple faces simultaneously, allowing secure and efficient movement of people entering or exiting locations.

IDEMIA is the global leader in Augmented Identity for an increasingly digital world. Through Augmented Identity, we empower citizens and consumers alike to interact, pay, connect and travel in ways that are now possible in a connected environment.

Benefits



Flexible

IDEMIA offers a cost effective software application licensing that can leverage existing camera infrastructure and can be scaled up to support various workflows. One license can support multiple cameras of various types.



Efficient

With a configurable capture distance of up to 10+ feet, MFace Flex detects and recognizes multiple faces in advance of the actual checkpoint, resulting in faster identification and more efficient processing of large groups.



Convenient

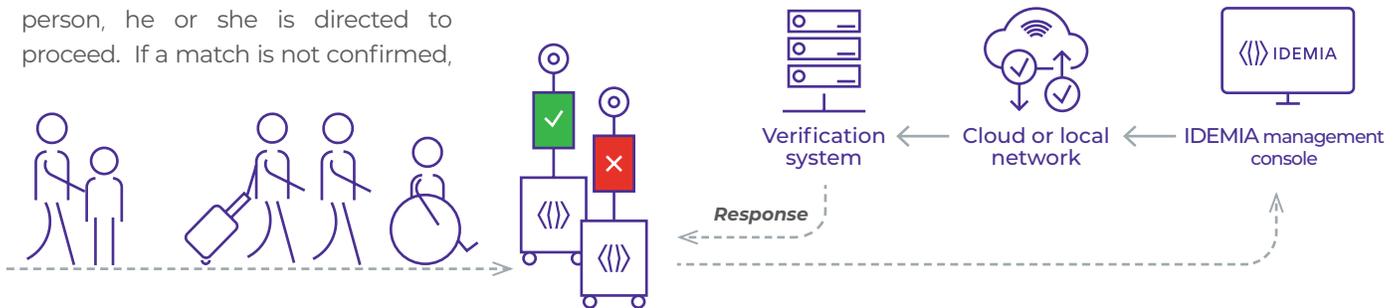
MFace Flex is capable of leveraging multiple cameras to detect individuals in 1.5 seconds or less, excluding active engagement.

How it works?

As a person or group of people (up to 6 images/frame) approaches MFace Flex, it detects and analyzes each image for quality, selects the best image, and securely transmits it to a local or remote database, where it is matched against known persons in a total processing time of 1.5 seconds or less. If MFace Flex confirms the person, he or she is directed to proceed. If a match is not confirmed,

the person and service provider are provided a notification for action, for example, to “stop and see an agent.” This is all being done without having people pause in their journey, however pause and go capture is also supported. MFace Flex can provide

identity assurance solutions in many environments including airports, cruise lines, stadiums, sports arenas, theme parks and gaming venues. IDEMIA will work with you to integrate and deploy the best solution to meet your needs.



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Ready to deploy IDEMIA package

- › CPU/GPU
- › Tablet
- › IDEMIA approved high definition video camera



SDK integration package

- › Fully interface-ready with The U.S. Department of Homeland Security (DHS), U.S. Customs and Border Protection's (CBP) facial recognition technology, known as Traveler Verification Service (TVS) that supports comprehensive biometric entry and exit procedures in the air, land, and sea environments
- › Integration options with e-gates, boarding gate kiosks, or self-baggage drops, as well as various airline departure control systems (DCS)



Cutting-edge technology

- › Speed: recognizes a moving person in less than 1.5 second
- › Flexibility in numbers: captures multiple faces simultaneously (Up to 6 images/frame)
- › Hardware flexibility: camera agnostic supporting various camera protocols: RTSP, HTTP, HTTPS, USB
- › Leverages multiple cameras of different types
- › High quality multi-face detection and recognition
- › Supports mobile devices as an image acquisition source
- › Configurable image quality checks
- › Customizable GUI through web service – tailored according to customer and admin profile
- › Compliant with: international standards ISO/IEC 197945, GDPR, and to ICAO Standards
- › Supports local and remote cloud-based deployment

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