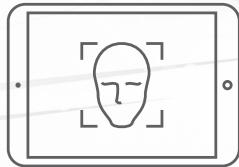


COSEC FACE RECOGNITION

Where Flexibility Meets Performance

MATRIX COSEC

Right People in Right Place at Right Time



In the wake of an epidemic, organizations realized that contactless Time-Attendance and Access Control Solutions are one among their primary requirements. Companies are encouraging their employees to work remotely. While for some companies that provide essential services, Working from home isn't an option. In either situation, employers need to upgrade to a contactless technology that fits in both cases. Face Recognition would not only help to shift to a contactless solution but, it is from many brands is faster than other solutions.

Matrix has revolutionized the authentication technology by introducing Face Recognition which provides an effortless user experience. Matrix COSEC Face Recognition is based on innovative, deep learning technology, designed to meet distinctive user identification needs of organizations. A powerful user identification algorithm that identifies users precisely, even in challenging environmental conditions. Matrix COSEC FR deals with a wide range of user-profiles, regardless of any specific constraints like varying light conditions and height of users.

Backed with powerful application software, Matrix COSEC FR is an ideal solution for Time-Attendance and Access Control applications to enhance productivity or security of new-age organizations. Matrix COSEC FR is best suited for corporate offices, manufacturing units, government organizations, hospitals, construction sites and many more.

KEY FEATURES



Deep Learning Technology

- Advanced AI-based Deep Learning algorithm
- Consistent Performance for Varying Facial Features
- High Identification Speed



Higher Storage Capacity

- 50,000 User Profiles
- 1,00,000 Face Templates
- 5,00,000 Event Logs



Consistent Performance for Varying Heights of Users

- Wider FOV to Cover a Wide Range of User Heights



Higher Speed

- Identification in < 1 sec for 100,000 templates
- Higher Throughput - 18-20 users identification per minute



Third Party Software Integration

- API Supported - Device configuration, User Configuration, Data Transfer, Enrollment and More



Multiple Deployment Modes

- Device based Face Recognition
- Tablet based Face Recognition
- Mobile based Face Recognition



New-age Credentials

- Face
- Face & Fingerprint
- Face & RFID Card
- Face & PIN



Better User Experience

- No Long Queues
- Auto-update for Face Templates
- Designed for Better Performance in Varying Light Conditions



Enhanced Security

- HTTPS, SSL based Enabled communication
- AES-256 Bit Encryption
- Snoop-proof and Hack Proof
- Eliminates Masquerades with Fake Face Detection



Multiple Connectivity Options

- Bluetooth, Wi-Fi, POE, Ethernet, GSM/VoLTE
- Seamless Communication Between Device and Server



Location Tracking via GPS Coordinates

- Real Time Location Tracking
- Accurate Attendance Based on GPS Coordinate



Adaptive FR with Auto Template Update

- Automatic Face Template Update Based on Recent Images
- Face Template Update and Distribution to all the FR Devices

COSEC FACE RECOGNITION SOLUTIONS

Matrix brings Face Recognition technology to address all kinds of organizational requirements. Matrix Face Recognition solution comes in 3 different face recognition solutions:

1. COSEC Device based Face Recognition



2. COSEC MODE



3. COSEC APTA



1) COSEC Device based Face Recognition



Matrix COSEC Device-based Face Recognition is a unique solution with IP Camera and COSEC door controller to offer accurate user identification even in challenging working conditions for time-attendance and access control applications. It works in two modes: standalone and server mode. Furthermore, using a proper setup for [User Temperature Screening](#) enables a touch-free temperature screening terminal for the employees to enter the premises. Hence, eliminating the manual temperature reading process and replacing it with an advanced and much safer one. This setup notifies the authorities in case of exceptions.

FEATURES:

- Attendance Marking and Control the Access from as far as 8 Feet
- Integrate User Temperature Screening Terminal
- Ideal for One-to-Many (1:N)
- Detection in Less than 1 Sec
- Accurate in Low Light and Varying User Height

2) COSEC MODE



COSEC MODE an android application for tablet-based Face Recognition for corporate offices, education institutes, construction sites, etc. It offers the mobility of attendance marking with minimal infrastructure and a biometric device cost. Again, COSEC MODE works in two different modes namely standalone and server mode.

HARDWARE USED:

- COSEC ARC DC200x/ Matrix Door Controller
- Tablet

KEY FEATURES:

- Android Application for Tablet based Face Recognition
- Ideal for One-to-Many (1:N) and One-to-One (1:1) Authentication
- Faster Face Recognition
- Store up to 1,00,000 Face Template

3) COSEC APTA



Matrix COSEC APTA is a mobile-based employee portal that provides a platform for users to monitor and manage all their time-attendance, leave and access control options. It uses face recognition as a credential to authenticate the users through their smartphones. Furthermore, COSEC APTA sends location details to the server using GPS by taking the user's details and his image. The communication between the mobile and server is encrypted with the provision to use customer-owned certificates. It uses 24-bit encryption, ensuring high security.

FEATURES:

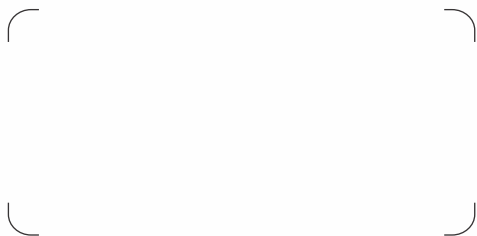
- Mobile-based Employee Portal
- Ideal for One-to-One (1:1) Authentication
- Location Tracking via GPS

ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As an innovative, technology-driven and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries. With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems - Video Management System, Network Video Recorder and IP Camera, Access Control and Time-Attendance systems as well as Telecom solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable and conform to international standards. Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 2,500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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