



## Face Recognition Management Systems

### About Us

Since its establishment in 1994, Face-Tek Technology Co., Ltd. has relentlessly pursued its goal to deliver reliable solutions that provide credible authorisation, increase security and reduce the possibility of breach, fraud and other crimes.

Based on biometrics, our focus is to develop and integrate Face searching and recognition security monitoring products. In developing these products, we capitalize on the know-how gained from our other areas of business, including telecommunication, electric power, information technology, biology, medical, aerospace, optoelectronics and semiconductor related industries.

Vast amount of investment has been made to develop Face-Tek face recognition core technology by integrating R&D from USA, Australia and Taiwan, resulting in products of high international standard. Not only is the Face-Tek face recognition technology a solid performer amongst top developers worldwide, it also has been designed and integrated into a wide range of solutions including access control system for entrances, equipments or database, and face searching system to enhance security surveillance

## What is Biometric Technology

Biometric technology is the identification and verification of individuals through their biological characteristics. Currently, the most commonly used features in biometric technology are finger print, face and iris.

Biometric technology is often applied in two phases: the first is Identification which answers the question of *Who Are You* (1:N), and Verification which answers the question of *Are You Who You Claim You Are*

## The Advantages of Face-Tek Systems

- Non-physical contact and non-invasive identification
- Flexible recognition distance
- Very fast image capturing speed
- Options for 3D sampling & matching technology
- Face recognition imitate a very familiar way of how human recognize others
- Automatic record visitors face images for future use
- Effectively help receptionists or guards identify visitors and employee
- Can significantly improve customers service quality
- Can easily be integrated with existing management or security system, no duplicated investment is required.
- A cost effective solution

## The advantages of Face-Tek Face Recognition Technology

- Low recognition latency (less than 1 sec);
- Dynamic sampling function to reduce aging factor;
- Live face identification ability;
- 3D sampling and recognition ability;
- Movement detection function;
- Automatic exposure justification function;
- Remote control function;
- Records can be indexed and searched by date;
- Support up to 4 cameras;
- Flexible reports creating system;
- Direct sampling function and database import function
- Support Access and SQL Database;
- Can be integrated with CCTV system, entrance control system or HR system
- Customizable welcoming or warning speech ;

## Face Tracking & Surveillance System

- Real time multi-face capturing function
- High speed face tracking and capturing function, above 10 face images per second
- With clearer face images than CCTV system
- Intelligent movement detection and face capture function
- Customizable calibration for tracking sensitivity
- Can be integrated with CCTV system
- With index function, ability to search by date and time
- Supports up to four cameras

## **Notiface II** Intelligent Face Searching and Recognition System

**Notiface II** represents a leap in security system technology that focuses on two purposes :  
**security enhancement and ease of use.**

Utilizing intelligent face searching and recognition algorithms, **Notiface II** scans through live footage from CCTV cameras to capture and record face images.

In real time, it then compares between the captured images with database containing preset lists of people, e.g. **Stranger**, **Blacklist** or **VIP**. Equipped with preset alarms, **Notiface II** can effectively identify possible threats, or prompt proactive customer services as soon as special guests appear. All of these are done in split seconds, requiring no operator interaction.

### Features

- Real time face searching and recognition function via CCTV cameras
- Displays matched face images in a color coded pop up window (e.g. yellow window for **Stranger**, red window for **Blacklist** and green window for **VIP**)
- Detection alarm with pre-set voice or alarm
- One system supports multiple cameras, with options for DVR function
- Fast scanning up to 10 face images per second
- Logging of all face images with date and time index for quick search and access
- Motion Detection function
- Allows installation on PC to provide low cost security solutions

## Application

### Face Recognition Entrance Control System Home Security Surveillance System

#### Advantages

- Can be easily integrated with HR management system
- Decrease the risk from imposter
- Less than 1 sec recognition latency
- Non-intrusive technology and flexible recognition distance
- Automatically record all detected faces, regardless authorized or non-authorized. Records searchable by dates and times
- Increase both company image and security

#### Applicable for

- Commercial buildings or offices, government or military institutes
- Shift management in factories
- Schools, research institutes, laboratories, libraries, hospitals
- Banks, treasuries
- Conferences buildings
- Apartments and community buildings

### IT or Other Equipments Log In Control

#### Advantages

- Decrease the risk of password stolen or revealed
- Eliminate the need to remember ID or password
- Less frequent change of passwords, thus decrease waste of time and cost
- Improve the protection of PIN
- Data file encryption function
- Increase working effectiveness

#### Applicable for

- PCs, NoteBooks or mobile phones
- Other equipments that need log in security management
- Can be integrated with cash cards, credit cards, badges or ID cards for verification function

## Improve Service Quality – CRM

### Advantages :

- Fast identification of customers to let staff know customers' background
- Knowing the customers can lead to proper communication resulting in high customer satisfaction
- To maximize the synergy by integration with CRM system or marketing Database
- Create competitive advantage over competitors
- Improve company image

### Applicable for

- Banks, government buildings, hospitals
- Airlines , telecommunication industries
- Commercial buildings or offices

## Student / Membership management system

### Advantages

- Fast recognition for student / membership
- Highly expandable capacity
- decrease membership cards management effort and cost
- decrease the risk of fake documents
- Improve company image

### Applicable for

- Schools, kindergartens, training center
- Fitness centers
- Golf clubs
- Hotels, clubs, shows, fairs
- e-Learning services



**Face-Tek Technology Co., Ltd.**  
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