



# EXCELSOFT<sup>®</sup> Bio-X Facial Recognition



## Facial Recognition Attendance

by Excelsoft Technology

### FACIAL RECOGNITION REPLACING MANY OTHER TECHNOLOGIES

Finger Print Technology and Palm Reader have been outdated by newer Facial Recognition technology (FR). FR offers a much more superior feature for it is much faster, accurate, cheaper and practical. Finger Print device is subject to harsh treatment from users and the device Mean-Time-Before-Failure (MTBF) is relatively short while Palm Reader has been expensive to start with. Any tempered from outside to the sensitive sensor glass would degrade the device accuracy or ability to read. Other contributing factor is that our finger impression could sometimes faded due to injury, chemical expose, health factors, etc.

Although that FR technology did not come easy and cheap in the R&D, it was made possible for today's computer processing and it becomes so inexpensive. It is therefore FR is pacing out Finger Print, magnetic, barcode, proximity, palm reader, etc.



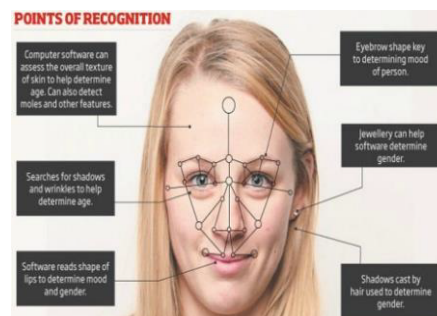
### Facial Recognition (FR) Superiority

FR superiority is clearly outstanding. From out test of 1200 employees in our database, the average detection time is only about 0.2 second per face. It means that single device, it can detect up to 50 employees per minutes in real world. Compare to finger print technology, it is only about 4 - 6 finger per minute. FR technology is touch less, meaning that employees clock in without touching any device at all. Thus it takes away all the clumsiness and human motion to get to the device.



### Accuracy 100%

FR accuracy is truly superior. It simply provides nothing but 100%. Our superior algorithm can differentiate between a person with or without glasses, or woman with excessive facial make up. The system has no trouble in detecting such person at all. Our test shown that person's face is painted difference color or being cover at the lower part and with hat on, the system will still be able to detect so long that the facial is unhindered.



## Always Online and link

Unlike many finger print device that you have to download the result at the end of the day, our Bio-X FR Management Software would perpetually provide the information for you online. It means that you don't have to initiate the download at all. It can automatically stream up the data for you.

## Lower Maintenance

What maintenance cost? Because employee is no longer touching anything, then there is no device can be broken down. The camera can be mounted behind the glass wall/windows. Should the computer breakdown, any IT guys can easily roll out the replacement without having to wait.

## Ease of Use

FR ease of use is clearly outstanding. User hardly needs to perform any routine at all, such as downloading attendance data at the end of the day or week, manually updating new comer, deleting data (resign or revoke), etc. Excelsoft FR technology already provides all these functions automatically. In all advantage, Excelsoft FR works no only locally, but now you can have integrated attendance worldwide. It means that wherever your employees go, they will be recognized in every office. Any new employee only needs to be register in one location then it will be recognized in everywhere. As simple as that!



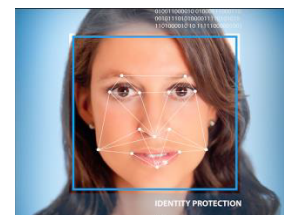
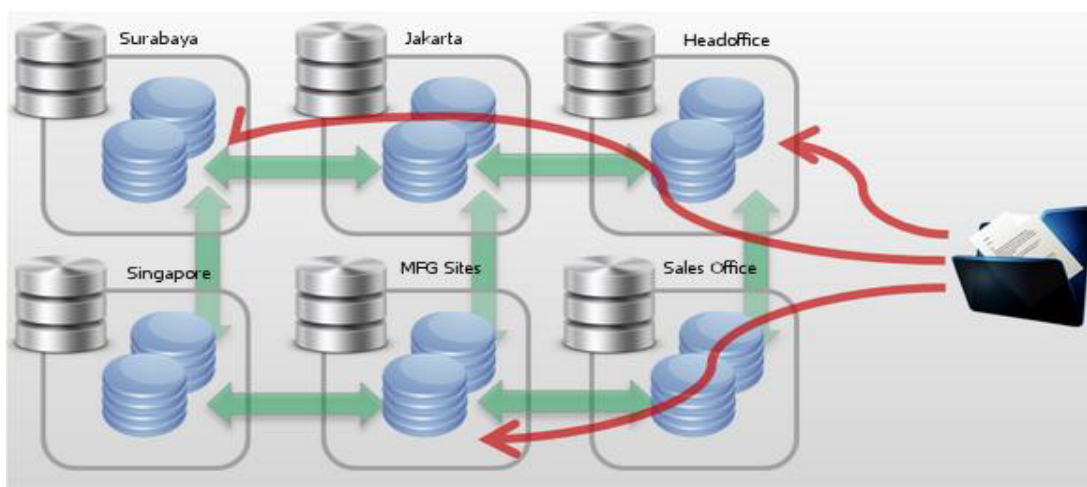
## Cheaper Cost

FR is clearly cheaper cost for there is no device replacement. The only device required is the camera – any USB webcam would do. If the computer breakdown, you no longer need to wait for the factory for replacement for it is deployed using ordinary notebook or computer. Thus IT personal can carry out the maintenance without special training. The total cost of ownership become cheap and scalable. Using any existing or inexpensive market-ready computer can do the job and you can choose vendor service level for maintenance.

## Multiple Branches/Location













Bio-X FR has been designed for global use. It means that now absenteeism is no longer a local office thing but it goes global. Should you have multiple branches, all of your branch office can recognize any of your employees from outside that branch. The system would automatically synchronize all the data from the head office to branch office. Any new registration would be replicate globally and the process is also automatically.

## Register – Auto replication



A new person is being register, it will automatically being replicate to all sites. It means that your employee now can go anywhere in your branch and check-in. All of this replication is done automatically by our FR Management System. You can schedule the link so that you don't have to be online 24hrs through internet but only a certain minutes within the day. This way, it saves a lot of connection cost or a need for high speed connection cost.

COMPARISON

DESCRIP TION	Face Recognition	Finger Print	Proximity	Magnetic Reader	Barcode Reader	Palm Reader
Illustration of device and cards						
Is it a Biometric?	Yes	Yes	No	No	No	Yes
Buddy punching (done by someone else)	No	No	yes	Yes	Yes	No
Device MTBF (Mean Time Before Failure)	Excellent	Poor	Good	Poor	Poor	Good
Device replacement Cost (in USD)	\$15	\$350+	\$180+	\$120+	\$140+	\$600+
Replacement	Camera	Reader	Reader	Reader	Reader	Reader
- Replacement Reader	Self	Factory	Self	Self	Self	Factory
- Replacement Unit	Self	Factory	Factory	Factory	Seft	Factory
- Approximate time	<1 hr	±6 days	±2 hr	±2 hr	<1 hr	6 days
- Unit Replacement	none	±6 days	±3 days	±3 days	1 day	±6 days
Speed	Excellent	Good	Excellent	Excellent	Excellent	Good
Access using	Face	Finger	Card	Card	Card	Palm
Consumable Costs	None	None	\$1.2	\$0.5	\$0.3	None
Reader						

HOW TO GET STARTED?

Contact us.Immediate deployment using existing computers:

1. Notebook

- Processor: Intel Core 2, Core i3, Core i5, Core i7 or equivalent
- Memory: Min of 2 GB
- Hard disk: 100M Bytes of free space

2. Server (Option for enterprise use only)
  - Any type of windows server
  - Any standard server configuration
3. Network (Option for multiple sites)
  - Switch
  - UTP Connector
4. Contact us for free trial eligibility





## Contact us for demo

### + Customer Support

Email: [support@excelsoft.co.id](mailto:support@excelsoft.co.id)

### + Sales

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## FREE TRIAL ELEGIBILITY

Please give us a call or drop us an email. Currently our companies allow selected companies to receive a complete FREE trial. Talk to us if you are eligible for this.





# RAPID IMPLEMENTATION

## Facial Recognition with Bio -X Time Attendance

by Excelsoft

### What does it do?

It provides beyond what the conventional biometric devices can do, such as recording in/out/overtime. It provides you with online monitoring, attendance analysis, performing complex overtime calculation, Attendance monitor and full attendance control. Furthermore, it is designed for a rapid deployment and cost saving.

It fulfills almost all of HR needs in managing absenteeism. These needs are:

- Online attendance monitoring
- Managing multiple shift
- Automatic Shift rotation
- Overtime calculation and authorization
- Employee self-assessment
- Generate all necessary reports
- Integrated to payroll system

### How Long Does It Take?

Bio-X FR is designed for super rapid implementation. Once it is installed, the system is fully functional and in operation. The only trivial work is to register every employee in person for it is BIOMATRIC – only that person can register. Once it is register, the system is ready for deployment right away.

#### (1) Installation (few hours)

Installation usually only take few

from HR Office, UTP wiring should be considered.

#### (2) Registration (Max 4 days)

Because it is Biometric, the registration has to be done in person. The easiest way is to have the current working employees to line up and register. If there are multiple shifts, then there will be a separate PIC to register each shift. It will then remain with employees who are absent during that day – separate registration for them. The process should take less than 3-4 days to 100% completely register every employee.

### Main Features

- High capacity: works with small, medium and large corporations regardless of sites/locations
- Very Low Cost (No new device, no special equipment, no special skill necessary)
- Multiple sites/location with online or offline operation
- Built-in graphical capability for analysis and reporting
- Clarity in any employee's attendance issues
- Compliance with government rule and regulation

### THE APPLICATION

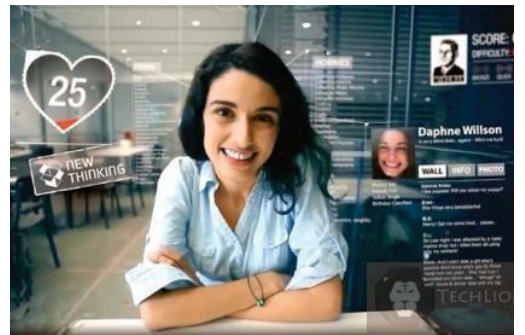
#### Bio-X FR

Bio-X FR will identify a facial in less than 0.3 second with 1200 employees with 100% accuracy without having employee to touch any device or bottom.



#### Bio-X Management

Bio-X FR Global concept is an integrated to all locations seamlessly with or without online connection. Yet it provides global view in term of reporting, business flow, and Management.



#### Bio-X Report

Bio-X offers a thorough and complete reporting which is already taking into consideration for the purpose of management, operation, audit, and consolidation.