ievo®

RELIABLE. BIOMETRIC. SOLUTIONS.

Securing Official Facilities & Data Protection Centres

One of the top priorities for any official building is the protection of employees, or private citizens working, or assets stored within Government-owned or leased facilities. **ievo** biometric solutions help develop and achieve security standards and best practices for access control and workforce management without compromise.

HIGH SECURITY

ievo Ltd's fingerprint recognition units are designed with collaboration in mind. Working as a 3rd party component, the biometric readers can integrate with the vast majority of leading access control systems, obtaining seamless integration with some preferred systems which enables a simple and one time enrolment process.

Due to using biometric data for identification, **ievo** can offer a cost effective system that requires no secondary credentials that can be prone to loss, damage or theft. **ievo** readers will identify only those who are enrolled on the system, ensuring only employees with the required permissions will be granted access to secure areas.

INNOVATION

With the innovative **ievo** reader, all stored data is securely held on a separate control board installed (up to 90 metres away) on the secure side of the access point, unlike most biometric reader heads the **ievo** reader unit holds no stored memory for extra protection and communication between the two units utilises AES encryption to pass information, via CAT5e or CAT6 cabling, which also ensures there is no access to the internal network.

The **ievo** reader units hold no internal relay systems allowing a second layer of security for access control.

REVOLUTIONARY IMAGING SENSOR

In order to acquire highly accurate and reliable data for identification, the **ievo** ultimate™ reader uses a multispectral imaging (MSI) sensor. The advance sensor has the ability to scan both surface and subsurface levels of the skin simultaneously, up to 4mm deep. The method uses a series of polarised and non-polarised lights to highlight different biometric data points, which are mapped and used to create a template, which is later referred to for making positive identification. Using MSI processes allows the reader to read through levels of dirt, dust, grease, oil and moisture, giving it an edge over standard optical or thermal sensors.

ENVIRONMENTAL PROTECTION

The **ievo** *ultimate* reader is rated to IP65 for protection against ingress of dust and water, and makes them ideal for deployment in harsh environments, internally or externally.

The reader head also makes use of a built in heater system and humidity controls enabling operation in -20ºc to 70ºc temperatures, the multispectral imaging sensor helps to read data through cold or warm skin.

CERTIFIED AND ROBUST

Certified by the CPNI (Centre for protection of National infrastructure) the *ultimate* is approved for use within UK government infrastructures. The vandal resistant reader head is able to withstand a range of attacks, and has the option of being flush mounted onto a surface, or encased in a metal security housing unit. The reader operates an anti-tamper output signal alerting to any hostile activity and the spoof protection option enables liveness detection, protecting against counterfeit fingerprints. The level of spoof protection can be turned on (it is off as standard by default) and adjusted depending on requirements.

DATA PROTECTION

ievo system work by using an individual's fingerprint as an identification point. Upon registration, the **ievo** system will capture and convert key feature data from a fingerprint into a template for future identification.

An advanced algorithm uses the extracted data to create the template, which is unique to the individual, and stores it in a database on a separate **ievo** control board, keeping your data safe. This template is only access by the **ievo** control board for identification purposes and cannot be reversed engineered to recreate the original fingerprint image.

MANAGING RESOURCES

Registered templates can be given different access permissions via an access control system, and it is here that time and attendance patterns can be monitored.

In facilities that operate with a variety of shift patterns, which can be complicated and different to record. Using a time and attendance system with **ievo** devices means that staff members' simply need to scan their finger to register the start/end of a shift, providing recordings of attendance to ensure accuracy of payroll. This data can also be used to provide accurate records for health and safety protocols and fire security.

Alongside monitoring shift patterns, access to secure areas also requires security measures. Controlling the access to high value storage areas or archives of sensitive records.

KEY BENEFITS OF IEVO SYSTEMS

- Advance security protection
- Cost effective – no need to repeatedly replace secondary credentials
- Round the clock security
- Records and track complicated shift patterns
- Accurate payroll data
- Improved health and safety records
- Reliable and accurate identification for users
- Improved and efficient resource management
- Spoof protection
- IP65 rating
- CPNI certified

ievo Ltd is a leading design and manufacturer of biometric fingerprint readers. Working with a number of installers and integrators, **ievo** Ltd have a worldwide proven track record of securing official buildings and facilities.

For case studies or further information, please contact our support team:

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