CDVI
Security to Access

Securing the Education Sector

with

Biometric Security Solutions

> One of the key features of outstanding practice according to Ofsted is: "Robust arrangements for site security, understood and applied by staff and pupils". We understand that educational facilities need to protect pupils, teachers, and other staff members whilst guaranteeing parents piece of mind that their children are safe in a protected environment.

SECURING OUR ENVIRONMENT

ievo fingerprint recognition systems work by scanning biometric data points that form the fingerprint. These data points are scanned from the surface and subsurface levels of the skin; this method is unique to ievo readers. Using biometric data ensures a deeper level of security that authenticates and grants access only to those who have the required permissions, creating an effective, safe and secure environment for pupils and staff.

As a child grows, their fingerprints develop over time. As a result, we recommend that ievo readers should only be used by individuals aged 12+ years. Occasionally, some individuals naturally have 'problem fingerprints'. This means not enough data points can be identified for positive identification. In these cases, registering the thumbprint, or scanning a finger from multiple angles can help, though issues may persist when scanning.

www.cdvi.co.uk

Biometric fingerprinting has many advantages to help secure the safeguarding of children, protecting both a facility and its users. ievo's innovative technology seamlessly integrates into new or existing security systems and allows for flexibility in installation.

INNOVATIVE TECHNOLOGY

When registering a fingerprint with ievo devices, the reader sends an image of the fingerprint to the ievo Interface Board, where an advanced algorithm extracts and converts key data using a unique proprietary template format. The template is then stored in a database on the Interface Board.

The template is used only for identification purposes when an individual is using the system. The system only grants access to registered users with fingerprints that match a saved template, protecting and securing those within.

CDVI

ACCESS CONTROL

Controlled security is paramount in providing a safe environment for pupils, teachers and staff on educational sites. Knowing who has access to what and when is vital in maintaining a robust safety net. Biometric identification supports a high level of security and ievo devices are designed to integrate into access control systems. ievo systems work with a number of well-known access control systems, including: CDVI's ATRIUM, Paxton, Stanley, Honeywell, and Nortech, to adhere to the Ofsted mission of safeguarding children and young people.

ievo solutions also provide software integration options. Being able to use the access control device to help monitor and record attendance for pupils, staff and visitors can provide vital information for attendance registering, child protection, health and safety and overall HR information.
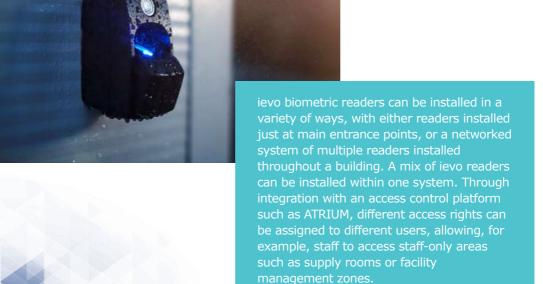
DATA PROTECTION

No fingerprint images are stored when data is collated for identification. An advanced extraction algorithm is used to create a template from specific fingerprint data captured during the registration scan. The template is unique to the individual and when using the system is future, a fingerprint reader will cross reference a scanned fingerprint with all stored templates until a match is found and identification is complete. Due to the nature of our data capture methods we do not contravene any data protection or human rights laws. Once a pupil leaves the school or no longer requires access to the facility, the stored data or template, is simply deleted from the system.

www.cdvi.co.uk

ROBUST SECURITY

ievo's biometric readers remove any potential vulnerabilities of card or fob systems, by giving control back to the system. Cards and fobs can be easily lost, damaged or stolen, resulting in both security concerns and ongoing replacement costs.

With ievo readers, only a person with pre-registered fingerprints will be able to access the facility. To maintain best practice, ievo solutions can also be installed with a card reader function which will accept some access cards. This flexibility facilitates access for individuals who do not wish to use biometric data, but still ensures rigorous safeguarding under the same security measures.

ievo biometric readers can be installed in a variety of ways, with either readers installed just at main entrance points, or a networked system of multiple readers installed throughout a building. A mix of ievo readers can be installed within one system. Through integration with an access control platform such as ATRIUM, different access rights can be assigned to different users, allowing, for example, staff to access staff-only areas such as supply rooms or facility management zones.

www.cdvi.co.uk

Securing the Education Sector
with biometric solutions

CDVI
Security to Access

KEY BENEFITS

- Safeguarding pupils and staff
- Cost effective solutions
- Accurate data capture for attendance records
- Improved health and safety records
- Integrated system to work with your infrastructure
- Software integration opportunities available
- Futureproof design - for any future upgrading or additional development of your security system
- Fully customisable and serviceable up to and after the point of sale
- Customisable colours to discreetly blend into your environment

CDVI Ltd
Unit B1, Knaves Beech
Business Centre
Davies Way
Loudwater, High Wycombe
HP10 9QR

+[44] (0) 1628 531 300
sales@cdvi.co.uk

www.cdvi.co.uk