

Open sesame

CleverAccess utilises our market leading facial recognition algorithm to actively, or passively, identify specific individuals and provide access solutions where appropriate.

CleverAccess;

- links seamlessly with existing access control hardware
- takes inputs either directly into the access control system or from an existing client database
- provides access control, remote alerts to mobile devices and management information to an intuitive, live, on-line dashboard.
- is cloud based, allowing the database to be managed centrally and deployed, in real-time, to multiple sites

CleverAccess can be tailored to your specific requirements and is highly useful for a variety of industry sectors including offices, data-centres, leisure facilities and manufacturing.

Example Application of CleverAccess

We worked with a major UK bank, with 30,000 employees to keep safe and secure, who were looking for a reliable access control system.

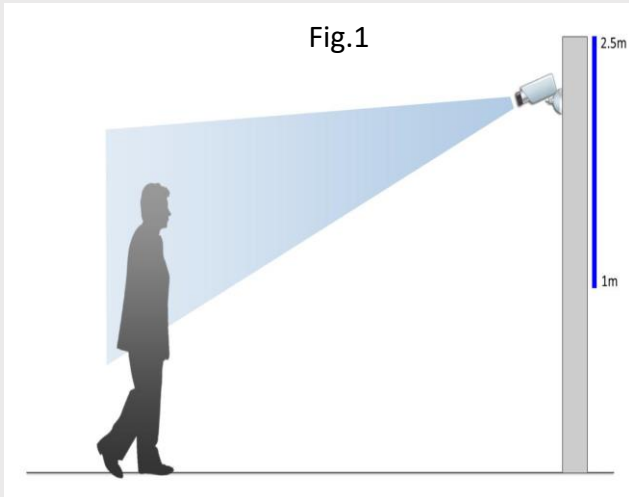
Like most other companies, they had used proximity cards for access control in both the Head Office and the branches, with the usual issues around lost and transferred cards!!

The Customer Clever CleverAccess product gave them everything they needed – simple to use, highly accurate passive identification, with a simple to use intuitive dashboard, and it worked seamlessly with the turnstiles they had installed 5 years ago, and their existing database of employees.

Now, as employees approach the barriers or doors in any of their Head Office sites, they open automatically, recording the location and time of entry and exit on the live on-line dashboard.

No more passing of cards from employee to employee and no more paying for replacement cards!

Technical Specification





- Normal lighting conditions, not extreme ones.
- Uniform illumination desirable (300 lux+ is a 'good level')
- Users walking at normal speed. (See Fig.1) Faces near frontal position (+/-35 degrees left/right deviation, +/-20 degrees up/down deviation)
 - Camera preferably placed at 1.6-1.8m
 - Max 2.5 meters height. (See Fig.1) – can be higher but no more than 10 degree tilt angle (to ensure face is captured and not top of head) – camera located further away from target and telephoto lens used.
- Sunglasses can reduce the recognition rate if oversized

Network Video Camera / Lens Minimum Requirements

- Good quality images, at least 1080p. (3Mp or greater preferable)
- Permanent network connection: minimum 256 KB down / 128 KB up.
- Optimal face size for recognition and match 833px x 833px per metre.
- Expected face size for recognition and match 400px x 400px per metre.
 - Minimum face size for enrolment: 150px x 150px*.
- Preferred Manufacturers: Avigilon, Axis, Bosch, Canon, Panasonic, Sony, Uniview
 - Glass optic Megapixel Lens with edge correction
 - Preferred Manufacturers: Canon, Fujinon, Pentax

PC Specification

	1 Camera	2 Cameras	4 Cameras	6 Cameras
 Active	Intel Core i7 CPU: 4xCores 4xThreads 2.5Ghz Ram: 4GB	Intel Core i7 CPU: 4xCores 8xThreads 3.2Ghz Ram: 8GB	Intel Core i7 CPU: 6xCores 12xThreads 3.2Ghz Ram: 16GB	Intel Core i7 CPU: 8xCores 16xThreads 3.2Ghz Ram: 16GB
 Passive	Intel Core i7 CPU: 4xCores 4xThreads 2.5Ghz Ram: 4GB GPU NVidia GTX750Ti / K2200	Intel Core i7 CPU: 4xCores 8xThreads 3.2Ghz Ram: 8GB GPU NVidia GTX750Ti / K2200	Intel Core i7 CPU: 6xCores 12xThreads 3.2Ghz Ram: 16GB GPU NVidia GTX750Ti / K2200	Intel Core i7 CPU: 8xCores 16xThreads 3.2Ghz Ram: 16GB GPU NVidia GTX750Ti / K2200

