



# CDVI

Security to Access



# Securing Construction & Critical Infrastructure

with

## Biometric Security Solutions

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Due to the nature of construction sites being both busy and dangerous environments, it is essential that security measures offer a robust solution without having to compromise on performance. ievo biometric solutions have been designed to operate in a variety of challenging environments, offering accuracy and reliability without impeding safety.



## SOLVING PROBLEMS

Construction environments are, by trade, notorious when it comes to dealing with levels of dirt, grease, dust, or moisture present on the skin. This type of environment can often hinder biometric security systems that simply cannot function through the debris.

However, the ievo ultimate™ has been specifically designed to operate within these confines, using an advanced sensor which employs multispectral imaging (MSI) technology to scan and capture data.








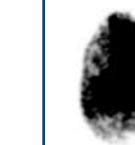
MSI uses multiple light sources to read not only the surface of the skin, but also data points from the subsurface level (up to 4mm deep) of a finger. The different light sources can penetrate levels of moisture and debris present on the skin to read data points below.

This advanced method allows for a high number of uniquely identifiable data points to be recognised and used for a more accurate, reliable and efficient verification process (see the MSI chart below).

The ultimate™ is a robust device for both external and internal use. Equipped with an internal thermostat-controlled heater, it can operate in conditions as low as -20°C. In addition, its IP65 rating also allows the ultimate™ to function effectively even in levels of heavy rain.



## Multispectral Imaging: Fingerprint image quality conditions

FINGER CONDITIONS	DRY	MOIST	DIRTY	ELDERLY	AMBIENT LIGHT
<b>iuvo MSI</b>					
Other biometric readers			NO IMAGE		NO IMAGE



'Buddy punching' or whereby a colleague 'clocks in/out' another colleague who is not present, is a common abuse found in other card/fob/token systems. Due to the nature of biometrics, this vulnerability is erased, as only a person present can scan their fingerprint on the devices. The ievo ultimate™ comes with optional levels of spoof protection which can be activated upon request to further help prevent fraud.

## SECURING YOUR WORK SITE

The ievo ultimate™ can be installed to work with a variety of access points, turnstiles, barriers, doors etc. Integrating into your access control system, ievo readers provide a deeper level of security using biometric data, while giving you confidence that only those with access permissions will be on site, at times you specify.

ievo systems integrate into a wide range of well-known access control systems, including: ATRIUM, Paxton, Stanley, Honeywell and Nortech, and can be customised with a variety of options depending on your requirements. With many construction sites operating in harsh, remote environments, different requirements are needed. ievo's customisable options allow for a range of connection options.







## **DEPENDABLE, RELIABLE & ACCURATE**

Construction sites often have to handle large workforces, with contractors and sub-contractors; it can be a logistical nightmare when trying to supply accurate and reliable records for HR, health & safety, or attendance records.

The ievo ultimate™ is a fast and reliable biometric solution. Integrating into time and attendance systems, the ievo reader can providing highly accurate and reliable information regarding attendance data for both HR/finance departments, ensure that parties are invoiced and paid correctly, and integrate into the CSCS matrix to enable a comprehensive approach to workforce management. The information can also be used to provide fast, accurate and reliable health and safety records.

## **COST SAVING**

An ievo integrated biometric access control system can help to reduce costs to your security infrastructure. Simple installations means less on-site time for engineers; the modular design of ievo systems makes for easy maintenance, while integrated systems offer practical and functional solutions.

The use of time and attendance integration can aid HR, health and safety records, and other building services. All of these factors can help to reduce costs and pay contractors accurately.

# Securing Construction & Critical Infrastructure with biometric solutions



## KEY BENEFITS

- Additional layer of security for your work site
- Full access control monitoring over your work site
- Accurate clock in and out data capture
- Removal of 'buddy punching' issues
- Cost effective biometric solution
- Improved health and safety records
- MSI capture to combat levels of potential skin debris
- Integrated system to work with your infrastructure



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