



**BIG BROTHER**<sup>®</sup>  
Security and technology you can trust

**ievo**



## Product Datasheet



**ievo ultimate**™

### FEATURES:

- Identification < 1 second
- Multispectral imaging sensor
- Climate control heater for external use
- Optional spoof detection
- Vandal resistant
- User friendly
- Proximity detection
- LED and audio indication
- Harsh environments
- Anti-tamper with IES 256bit encryption
- Accelerometer
- Wiegand or clock & data output (configurable)
- 1:N matching up to 10,000 users
- Integrates into existing card, fob & proximity systems
- Easy to install “plug and play system”
- Easy to use interface
- Networkable
- SDK for integrators and software developers
- Reader heads remote from control board
- Internal and external use

The **ievo**<sup>®</sup> fingerprint reader range has been designed after many years of research from a team of professionals who have been at the sharp end of biometric deployment, installation and integration. This wealth of knowledge has been obtained from not only experiences with the shortfalls of existing technologies, but also obtaining feedback from installers and end users.

From this research, the first **ievo**<sup>®</sup> reader, the **ultimate**™ was designed and boasts many unique features offering a large number of outcomes and benefits. **ievo ultimate**™ uses multispectral imaging combined with superior world leading algorithms offering a system that will work in harsh environments and with problem fingerprints. It also integrates into many access control solutions and offers a standard of 10,000 fingerprint templates with an option to increase depending on the sites requirements.

True to the core of **ievo**<sup>®</sup>'s product development, we continue to bring you the very best of what is available, so that you can give your customers the most reliable and functional security solution. In this way, the **ultimate**™ can be customised\* to suit your projects specification, including template on card integration, PoE and Wi-Fi connection for remote use to name but a few. These additional functions will not change the look of the standard **ultimate**™ so you can enhance your access control system without physically altering the product you have always trusted.

\* Extra charges apply for customisation, see the **custom kit** datasheet for more info



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## BENEFITS:

### BETTER IMAGE QUALITY

The **ievo ultimate™** uses multispectral imaging (MSI) technology which simultaneously reads the surface and subsurface of the fingerprint to capture clear, clean images every time - even when surface features are absent or hard to distinguish due to age, dirt, finger pressure and skin or environmental conditions. The fingerprint sensor enrolls and verifies every fingerprint including those that thwart conventional sensors. Solve failure to enroll and failure to acquire issues with this fingerprint scanner that is used with **ievo ultimate™**.

### LIVENESS DETECTION

Eliminate performance problems associated with conventional fingerprint sensors. The **ievo ultimate™** scanner protects against fake and spoof fingerprints by capturing detailed surface and deep tissue data. This technology allows **ievo®** to differentiate between live human fingerprints as opposed to false prints made from synthetic materials. On or off function for spoof detection.

### INTERNAL OR EXTERNAL USE

The **ievo ultimate™** has four choices for specification. An internal flush or surface mounted, or an external flush or surface mounted with a built in heater system enabling the reader to operate at -20°C. The **ievo®** external reader does not have to be mounted in a case or box like other leading biometric manufacturers.

### IP RATED

**ievo ultimate™** is IP rated to industry standard 65 (water jets, dust tight) offering a reader that can be mounted internally or externally without compromising its efficiency or reliability.

### INTEGRATES INTO EXISTING CARD, FOB & PROXIMITY SYSTEMS

**ievo ultimate™** has been designed to integrate seamlessly into existing card and fob systems by utilising the original manufacturers controllers through the use of wiegand inputs and outputs. **ievo®** provides installers with the opportunity to offer a reliable and superior biometric product to both new and existing clients. **ievo ultimate™** seamlessly integrates into other access control solutions including; Paxton, Stanley, Nortech, ACT, BSB, Inner-Range, Honeywell, CDVI and PLAN.

### READER HOLDS NO DATA. CONTROLLER IS HOUSED INTERNALLY

Most competitor biometric access control products have built in controller/relays. These can be easily removed from the wall and used to gain entrance by shortening the relay. **ievo ultimate™** contains no controllers or relays. **ievo®**'s matching board is housed internally, up to ninety metres away. However, this can be extended to suit your needs (please see **custom kit** range).

### EASY TO USE INTERFACE SOFTWARE

Many biometric products duplicate registration information during integration with existing access control systems. **ievo®** eradicates this issue because the software is not only effortless, but is very quick, easy to use and complements many existing wiegand systems.

### CUSTOMISE YOUR IEVO

The **ievo ultimate™** is customisable via the **custom kit**, which means you can create your very own biometric access control unit that will open new markets and is also fully serviceable. Depending on your requirements you have the opportunity to perfect your very own security product to suit your every need. **Custom kit** additions include increased template capacity, 1:1 template on card and PoE. Extra charges apply, see **custom kit** datasheet for more info.

### TECHNICAL DATA:

CPU	ARM9
Memory	RAM 128MB FLASH 1GB
FRR	< 0.1%
FAR	< 0.00001%
Identification Speed	< 0.7 sec
Template Capacity	1:N 10,000
Log Capacity	200,000
Voltage	12-24v AC/DC
Current Draw	600mA
Output	customisable wiegand or clock & data
Communication	TCP/IP IEVO/ Controller OEM dependent
Operating Temp.	-20~70°C (-4~158°F)
IP Rating	IP65
Power Indicator	LED
Certifications	CE, FCC
Dimensions	<b>Surface:</b> W:76mm (3") H:137mm (5.4") D:93mm (3.7") <b>Flush:</b> W:119mm (4.7") H:153mm (6.02") D:47mm recessed (1.85") <b>Visible:</b> D: 45.5mm (1.8")

### MSI FINGERPRINT IMAGE QUALITY CONDITIONS:

	Dry	Wet	Dirty	Elderly	High levels of Ambient light
<b>ievo ultimate™</b>					
Other Biometric Readers			NO IMAGE		NO IMAGE

To find out more, visit: [www.bigbrotherallsecurity.com](http://www.bigbrotherallsecurity.com) email us at: [sales@bigbrotherallsecurity.com](mailto:sales@bigbrotherallsecurity.com) or give us a call on: **0844 504 0351**