



# ENTERPRISE ACCESS SOLUTIONS



# Security begins with who you are.

## It's that simple.

Bioscrypt, an L-1 Identity Solutions Company, is a pioneer in the use of biometrics for access control. We develop innovative solutions to help our customers protect assets with the strongest form of multi-factor authentication available. In today's world customers, investors and partners demand it. The law requires it.

## Enterprise Access Solutions

Keep corporate assets safe and restricted areas secure from unauthorized access while quickly granting entrance to personnel. Bioscrypt's physical access readers use advanced pattern- and minutiae-based biometric algorithms for fingerprint authentication, and three-dimensional face geometry-based algorithms for 3D face recognition.

### STRONG AUTHENTICATION

Protect assets with multi-factor authentication using PINs, tokens, proximity cards, smart cards and biometrics. Ensure employees do not exchange access control cards or fail to report them when they go missing.

### SECURE ACCESS CONTROL

Ensure only authorized employees gain access to buildings and restricted areas housing confidential records and financial information.

### CONVENIENT

Reduce administrative and human resource costs while quickly give employees access to restricted areas — it is as simple as the touch of a finger or turn of a head.

## The Bioscrypt Advantage

Invest in solutions from the industry leader in biometric access control. Organizations that cannot afford to compromise on security trust Bioscrypt — we are a well-established company dedicated to protecting your business.

### ENGINEERED TO LAST

Depend on solutions that are built to last and have met rigorous global certification requirements.

### MAXIMIZE YOUR INVESTMENT

Extend functionality with our latest innovations as you grow while maintaining your current Bioscrypt installation and enrollment data.

### LEVERAGE EXISTING INFRASTRUCTURE

Bioscrypt's extensive global partnership network ensures your readers will integrate with the rest of your access control infrastructure.



**Security and Convenience  
Deliver Peace of Mind**

# Veri-Series Fingerprint Readers

Our line of fingerprint readers have the features you need to secure your business:

- Self-contained fingerprint units perform enrollment and verification
- Work with existing access control systems
- Plug-and-play installation
- VeriAdmin software for template management and device configuration
- Support Bioscrypt's Door to Desktop® physical and logical identity convergence platform

## V-Station™

### Multi-factor authentication combining fingerprint biometrics, cards and PINs

Combine the industry's leading fingerprint matching algorithm with proximity or smart cards and PINs for multi-factor authentication. The U.S. Transportation Security Administration (TSA) has placed the V-Station MIFARE on its Qualified Products List (QPL) to secure restricted areas at U.S. airports.



- Flexible options for single-, two- or three-factor authentication
- Choose between two sensors — optical or silicon
- Ethernet capability (LAN)
- Support MIFARE® or iCLASS® or most proximity cards
- Store up to 3,550 templates in 1:1 mode
- Store ~ 8,000 time-stamped transactions

## V-Smart™

### Two-factor authentication combining fingerprint biometrics and smart cards

Meet compliance regulations requiring strong authentication when you verify employee identities with Bioscrypt's two-factor authentication solution. Give employees the security of carrying their fingerprint templates with them.



- Two-factor authentication — what you have (a smart card) and who you are (your fingerprint)
- Address privacy concerns by giving users the ability to control their own biometric templates
- Support MIFARE® or iCLASS® contactless smart cards
- Flexible communication options support Wiegand formats up to 64 bits
- Support an unlimited number of users

## FINGERPRINT RECOGNITION

Bioscrypt's line of Veri-Series fingerprint readers simplify the access control process:

**FAST** – Authenticate users in under a second for instantaneous access and high throughput

**ACCURATE** – Identify employees even if they have worn or scratched fingerprints

**LOW COST OF OWNERSHIP** – Bioscrypt's family of interoperable readers reduce the need for costly re-enrollments

**PROVEN PERFORMANCE** – Bioscrypt has over 250,000 readers deployed worldwide with millions of templates generated. Over 15 years of biometric R&D expertise provides a solid backbone for our innovative solutions



# Veri-Series Fingerprint Readers

## V-Prox™

### Two-factor authentication combining fingerprint biometrics with proximity cards

Eliminate any concerns about stolen, loaned or compromised proximity cards. Match an employee's fingerprint with one called up by a proximity card in order to confirm the identity of the card holder.



- Two-factor authentication — what you have (a proximity card) and who you are (your fingerprint)
- Self-contained fingerprint unit performs enrollment and verification
- Stores up to 4,000 templates
- Multiple administration options including networked environments
- Built-in compatibility with most industry-standard proximity card infrastructures
- Flexible communication options support Wiegand formats up to 64 bits

## V-Pass™ FX

### Single-factor fingerprint authentication with support for external Wiegand readers

Experience the ultimate in convenience. Eliminate the need for PINs, proximity cards, smart cards and tokens to gain access to secure areas.



- Single-factor fingerprint authentication
- Two-factor authentication when used with an external Wiegand reader in 1:1 mode
- Capable of authenticating users in under a second
- Store ~ 4,000 templates in 1:1 mode
- Store up to 500 templates in 1:N mode
- Flexible communication options support Wiegand formats up to 64 bits

## GLOBAL PRESENCE

Bioscrypt has over 250,000 readers deployed worldwide with millions of templates generated. Our extensive global partner network spans across more than 90 countries, enabling us to help secure leading organizations in a diverse range of industries around the world:

**Insurance and Financial Services**  
**Information Technology**  
**Gaming and Hospitality**

**Telecommunications**  
**Transportation**  
**Government Agencies**



# Veri-Series Fingerprint Readers

## PIV-Station™

Multi-factor authentication combining fingerprint biometrics, smart cards and PINs

### ADDRESSING U.S. FEDERAL GOVERNMENT SECURITY REQUIREMENTS

Bioscrypt's PIV-Station is a FIPS 201-compliant reader that can help government organizations meet the requirements of the U.S. Homeland Security Presidential Directive 12 (HSPD-12). The PIV-Station is the first fixed-mount reader to be certified as a FIPS 201-compliant CHUID Reader by the General Services Administration (GSA).



- FIPS 201-compliant CHUID Reader (Contact & Contactless)
- FIPS 201-compliant Transparent Reader (Contact & Contactless)
- GSA-approved, FIPS 201-compliant fingerprint algorithm
- FIPS 201-compliant fingerprint sensor with 500 DPI resolution
- Wiegand support for 40, 64, 75, 128 and 200 bit output formats
- Flexible options for single- or three-factor authentication

## V-Enclosure®

Outdoor enclosure for your readers

Protect your fingerprint readers from extreme weather conditions with Bioscrypt's outdoor enclosure.



- Heater option available
- Solid front or window option
- Fiberglass construction protects the reader from cold temperatures, blowing sand and rain
- Product operating range: 0° - 60° C (32° - 140° F)
- 292.2 mm (11.5") x 196.7 mm (8.1") x 134.2 mm (5.5")
- NEMA 4/4X rating

## MV-SERIES FINGERPRINT MODULES

Fingerprint recognition is one of the most popular features that can be added to a product today. Yet most companies do not have the expertise to develop a fingerprint solution from scratch, and their product's architecture does not accommodate the processing power required to do the matching. Bioscrypt's MV-Series embedded modules solve both issues easily.



# 3D Face Recognition

## VisionAccess 3D Face Reader™

Access control made fast and effortless

Provide employees with lightning-speed access to your offices and restricted areas. VisionAccess 3D Face Readers increase security while maintaining high throughput for access into buildings, making the process effortless for employees. You can have the peace of mind of knowing only authorized personnel can access restricted areas containing vulnerable computer equipment and confidential documents.



- Authenticate users in under a second
- Hands-free access for the ultimate in convenience
- Embedded Platform with built in processing and biometric matching right on the device
- 4-inch color LCD screen to aid in user positioning
- Multi-factor authentication capabilities with cards or PINs and biometrics
- Adjustable security settings with false accept rates capable of 0.00001% in 1:1 mode
- Store up to 60,000 templates in the database for verification
- Log 100,000 events for audit trails
- Interface directly to existing access control panels and card readers using Wiegand, RS232, RS422 or RS485 interfaces.

### BIOSCRYPT – MARKET LEADER WITH THE MOST DEPLOYED 3D FACE SYSTEMS WORLDWIDE

Provide employees with lightning-speed access to your offices and restricted areas using Bioscrypt's VisionAccess 3D Face Reader, EnrolCam and 3Di Admin Manager. Bioscrypt's face readers authenticate users in under a second and are optimized for high-traffic areas. Bioscrypt's 3D face readers combine:

**SPEED** – Real-time 3D imaging technology for sub-second matches using a person's facial structure

**SECURITY** – Authenticate employees before they enter areas containing valuable assets

**CONVENIENCE** – Employees only have to pause on their way into work for hands-free access

**PRECISION** – Use up to 40,000 data points to make accurate matches

**USABILITY** – Accommodate a range of facial positions and poor lighting conditions



# Bioscrypt Enterprise Access Solutions

PRODUCT	MODE		ACCESS							CONNECTIVITY & INSTALLATION REQUIREMENTS						
	1:1	1:N	ID # Only	Biometric Only (1:N)	Card Only	Biometric+PIN	Card+PIN	Card+Biometric	Card+Biometric+PIN	Ethernet	USB	Certifications	Power	Current Draw	Mounting	Dimensions
<b>V-PASS-FX</b>	X	X	W/EXTERNAL INPUT	X	W/EXTERNAL INPUT		W/EXTERNAL INPUT				X	FCC, CE, UL294, CUL, ROHS	9-24VDC @ 5AMPS	IDLE: 2AMPS @ 12VDC-MAX: 4AMPS @ 12VDC	SINGLE GANG	130MM (5.12") X 50MM (1.97") X 63.5MM (2.5")
<b>V-PROX</b>	X				X			X			X	FCC, CE, UL294, CUL, ROHS	9-24VDC @ 5AMPS	IDLE: 2AMPS @ 12VDC-MAX: 4AMPS @ 12VDC	SINGLE GANG	130MM (5.12") X 50MM (1.97") X 63.5MM (2.5")
<b>V-SMART</b>																
<b>V-Smart MIFARE</b>	X				X			X			X	FCC, CE, UL294, CUL, ROHS	12 VDC @ 5AMPS	IDLE: 2AMPS @ 12VDC-MAX: 5AMPS @ 12VDC	DOUBLE GANG	130MM (5.12") X 118MM (4.7") X 63.5MM (2.5")
<b>V-Smart iCLASS</b>	X				X			X				FCC, CE, UL294, CUL	12 VDC @ 5AMPS	IDLE: 2AMPS @ 12VDC-MAX: 5AMPS @ 12VDC	DOUBLE GANG	130MM (5.12") X 118MM (4.7") X 63.5MM (2.5")
<b>V-STATION WITH SILICON SENSOR</b>																
<b>V-Station Base*</b>	X	X	X	X	W/EXTERNAL INPUT	X	W/EXTERNAL INPUT	W/EXTERNAL INPUT	W/EXTERNAL INPUT	X	X	FCC, CE, UL294, CUL, ROHS	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	146MM (5.7") X 164MM (6.5") X 78MM (3.1")
<b>V-Station Prox</b>	X		X	X	X	X	X	X	X	X	X	FCC, CE, UL294, CUL, ROHS	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	146MM (5.7") X 164MM (6.5") X 78MM (3.1")
<b>V-Station MIFARE</b>	X		X	X	X	X	X	X	X	X	X	FCC, CE, UL294, CUL, ROHS, TSA QPL	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	146MM (5.7") X 164MM (6.5") X 78MM (3.1")
<b>V-Station iCLASS</b>	X		X	X	X	X	X	X	X	X		FCC, CE, UL294, CUL	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	146MM (5.7") X 164MM (6.5") X 78MM (3.1")
<b>V-STATION WITH OPTICAL SENSOR</b>																
<b>V-Station Base*</b>	X		X		W/EXTERNAL INPUT		W/EXTERNAL INPUT	W/EXTERNAL INPUT	W/EXTERNAL INPUT	X	X	FCC, CE, CUL, ROHS	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	152MM (6.0") X 170 (6.7") X 114MM (4.5")
<b>V-Station Prox</b>	X		X		X		X	X	X	X	X	FCC, CE, CUL, ROHS	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	152MM (6.0") X 170 (6.7") X 114MM (4.5")
<b>V-Station MIFARE</b>	X		X		X		X	X	X	X	X	FCC, CE, CUL, ROHS	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	152MM (6.0") X 170 (6.7") X 114MM (4.5")
<b>PIV-STATION</b>	X				X				X	X	X	FCC, CE, UL294, CUL, ROHS, GSA	12.5-24VDC @ 1AMP	IDLE: 5AMPS @ 12VDC-MAX: 1AMP @ 12VDC	TRIPLE GANG	142.9MM (5.6") X 168.3MM (6.6") X 66.7MM (2.6")
<b>VISIONACCESS 3D FACE READER</b>	X	X		X		X		X	X	X		FCC, CE, ROHS	24VDC @ 3AMPS	1.5AMPS IDLE, 4AMPS MAX @ 24VDC	CUSTOM	355MM (13.98") X 132MM (5.19") X 116MM (4.57")

All fingerprint readers support: Wiegand, RS-232 & RS-485 • TTL/GP Output 5V • Operating temperature of 0-60°C (32-140° F)  
V-Station readers also support user ID authentication.  
\*Options change with mode selected



**Bioscrypt is the enterprise  
access division of L-1 Identity  
Solutions**

**Visit us at [www.bioscrypt.com](http://www.bioscrypt.com)  
for case studies, datasheets and  
white papers.**

## About L-1 Identity Solutions

L-1 Identity Solutions, Inc. (NYSE: ID), together with its portfolio of companies, offers a comprehensive set of products and solutions for protecting and securing personal identities and assets. Leveraging the industry's most advanced multi-modal biometric platform for finger, face and iris recognition, our solutions provide a circle of trust around all aspects of an identity and the credentials assigned to it -- including proofing, enrollment, issuance and usage. With the trust and confidence in individual identities provided by L-1 Identity Solutions, government entities, law enforcement and border management agencies, and commercial enterprises can better guard the public against global terrorism, crime and identity theft fostered by fraudulent identity. L-1 Identity Solutions is headquartered in Stamford, CT. For more information, visit [www.L1ID.com](http://www.L1ID.com).

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