



bioscrypt™

Making Life Simpler and More Secure

The V-Smart, a practical and affordable dual-verification reader, combines the high security of Bioscrypt's proven fingerprint matching technology with support for contactless smart cards. Offering one-to-one biometric template verification, the V-Smart reader provides traditional access control customers fast throughput and individual privacy.

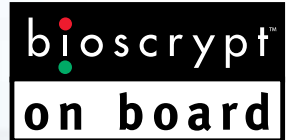
# V-SMART™

## BENEFITS

- Unlimited cardholders - fingerprint templates are stored on the smart card
- Supports *iCLASS*™ or MIFARE® contactless smart card technology
- Dual-factor authentication
- Industry's most accurate fingerprint algorithm (#1 at FVC 2002)
- VeriAdmin software, included free of charge, offers a simple approach to template management (enrollment, distribution) and reader configuration
- Compact modular design
- Intuitive user interface with red, amber and green LED and tone signals
- Flexible communication options supporting Wiegand formats up to 64 bits
- Duress finger option

bioscrypt  
on board

# Technical Information



## V-Smart MIFARE®

Dimensions:  
Length: 130 mm (5.12")  
Width: 118 mm (4.65")  
Depth: 63.5 mm (2.5")



### Communications:

Pigtail wire connection for RS 485, Wiegand IN/OUT. RJ11 aux port connection for RS 232.

Algorithm Type: Verification (1:1)  
Enrollment Time: < 5 seconds  
Verification Time: < 2 seconds  
(EER) Equal Error Rate (FAR=FRR): 0.1%  
Adjustable FAR and FRR  
Template Size: ~ 350 bytes

Voltage:  
9-12 V DC

Current Draw:  
Idle: 0.20 amps @12 V DC  
Max: 0.50 amps @ 12 V DC

Mounting:  
Flat surface, double-gang compatible.  
Mounting plate will accept #6 screws or bolts.  
Clearance hole diameter is 0.155".

### Ordering Information:

**V-SMART-A:** Fingerprint reader with integrated MIFARE® contactless smart card reader  
**DEMO-VT:** V-SMART-A reader mounted on stand, power supply, case and 5 MIFARE® cards  
**BIO-SDK:** Development software CD (supports all Bioscrypt products)

Cards supported:  
GemEasy 8000, HID 1430 and HID 1431 (request HID cards unprogrammed on the MIFARE® side), IDentiSMART Series by IDenticard. Contact Bioscrypt for a complete list of supported cards

Outdoor enclosure available: Call for information.  
Operating temperature: 0° - 60°C

Certifications\*: FCC, CE, UL294, cUL  
\*Contact Bioscrypt for more details

## V-Smart iCLASS™

Dimensions:  
Length: 130 mm (5.12")  
Width: 118 mm (4.65")  
Depth: 63.5 mm (2.5")



### Communications:

Pigtail wire connection for RS 485, Wiegand IN/OUT. RJ11 aux port connection for RS 232.

Algorithm Type: Verification (1:1)  
Enrollment Time: < 5 seconds  
Verification Time: < 2 seconds  
(EER) Equal Error Rate (FAR=FRR): 0.1%  
Adjustable FAR and FRR  
Template Size: ~ 350 bytes

Voltage:  
9-12 V DC

Current Draw:  
Idle: 0.20 amps @12 V DC  
Max: 0.50 amps @ 12 V DC

Mounting:  
Flat surface, double-gang compatible.  
Mounting plate will accept #6 screws or bolts.  
Clearance hole diameter is 0.155".

### Ordering Information:

**V-SMART-A-H:** Fingerprint reader with integrated iCLASS™ contactless smart card reader  
**DEMO-VT-i:** V-SMART-A-H reader mounted on stand, power supply, case and 5 iCLASS™ cards  
**BIO-SDK:** Development software CD (supports all Bioscrypt products)

Cards supported:  
HID 16kbits iCLASS™ contactless smart cards, Honeywell Access Systems 16kbits OmniSmart™ contactless smart cards

Outdoor enclosure available: Call for information.  
Operating temperature: 0° - 60°C

Certifications\*: FCC, CE, UL294, cUL  
\*Contact Bioscrypt for more details

The symbol bioscrypt on board™ signifies that Bioscrypt Inc.'s high standards of biometric quality and security reside within that product.

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