

# FINGER VP Desktop Series

Multimodal finger vein and fingerprint scanner



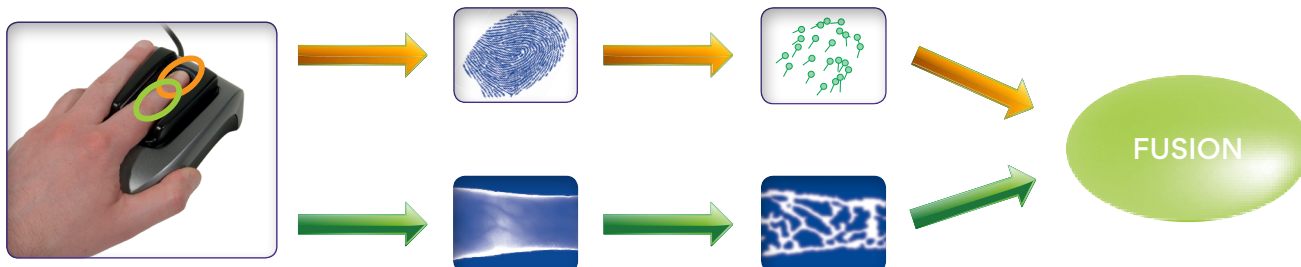
The ultimate solution for security, accuracy and performance



Security  
Innovation  
Award,  
Essen 2010

- Fusion of two complementary biometrics
- Innovative and universal biometric technology
- Higher accuracy in enrollment and identification
- Unequaled trade-off between security and comfort of use
- Enhanced anti-spoofing capabilities
- FBI PIV IQS certified

 IDEMIA



World leader in biometrics, IDEMIA has developed the first ever multimodal device capable of capturing and processing finger vein and fingerprint biometric data at the same time. Ergonomic, intuitive and highly secured, the FINGER VP Desktop unit is particularly suited to enrollment and desktop applications, such as logical access control, secure payment, ID control, etc.

### A NEW ERA FOR BIOMETRICS

- **Universal and easy-to-adopt:** successful enrollment is guaranteed - particularly for individuals who experience difficulties with mono-modal devices - with the same simplicity and ease of use as for fingerprints alone
  - > **The Failure To Enroll (FTE) rate is greatly improved**
- **Unparalleled accuracy:** by reducing the probability of rejecting genuine individuals and accepting impostors, it gives an efficient response to both comfort and security concerns in any biometric application
  - > **@FAR=10<sup>-4</sup>, FRR is 10 times lower than with the best of the 2 modalities**
- **Resistance to spoofing:** it combines the protection mechanisms intrinsic to each technology and also makes the most of the new characteristics resulting from the fusion

## Technical characteristics

### Extensive and best-in-class biometric/security features

- **Fast recognition:**
  - One-to-one authentication in 1s (average)
  - One-to-many identification in 1s average (1 to 500), 1.5s average (1 to 5,000)
- **Large storage capacity:**
  - 5,000 users (10,000 templates) in standard version
  - Up to 10,000 or 50,000 users on X10 version (requires specific licenses)
- **Multiple biometric outputs:**
  - Multimodal template
  - Fingerprint image (500 dpi, 256 grayscale, 400x400 pixels): RAW or WSQ compressed (under license)
  - Fingerprint template (under license): proprietary, ISO 19794-2:2005, ANSI/INCITS 378
- **Adjustable FAR** from 10<sup>-2</sup> to 10<sup>-8</sup>; accuracy maintained regardless of number of users in database
- Data integrity check by the host to exchange data via secure channel (in option)

### All-inclusive solution

- FBI PIV IQS certified optical sensor, capturing all the necessary finger vein and fingerprint data
- Unrivalled algorithms: embedded feature extractor and matcher (**FIPS 201** and **MINEX** compliant for fingerprint)
- Intuitive and ergonomic MMI with positioning guides, LED indicator and **finger presence detection**
- Ergonomic design fitting the shape of the hand

### Easy set-up

- USB connection for 2.0 high speed communication and power supply
- Comprehensive SDK available for Windows and Linux

### Fully certified

- EMC/Safety standards: CE, CB, FCC, NOM, NF EN 60825-1 2008-01 (Laser Safety)
- RoHS, REACH and WEEE compliant