



DFR® 2080 Fingerprint Reader

Ideal for High-Traffic ID Verifications

L-1 Identity Solutions continues a proven track record of deploying forensic-quality fingerprint readers for large scale identification programs including:

- Department of Motor Vehicles for drivers' license registration
- U.S. Department of Defense DEERS/RAPIDS and BIDS
- U.S./Mexico Border Crossing Card
- And a number of non-U.S. Social Security administration and immigration programs

The DFR® 2080 is a single fingerprint reader that delivers unparalleled imaging performance at a competitive price. Designed to meet your requirements for cost-effective, large-scale enrollment, identification, and verification applications, the DFR 2080 delivers NIST compliant 500 dpi, 256 gray level resolution fingerprint images. And, its ergonomic, compact design is highly transportable, durable, and reliable.

This complete package includes the DFR® 2080 Fingerprint Scanner with attached USB cable, Software Drivers and Libraries on CD-ROM, and an Install Wizard self-running installation utility for easy setup. The DFR 2080 is also flexible to support either BioEngine® technology or your own biometric applications.

NOT ALL FINGERPRINT READERS ARE THE SAME

- Ideally suited for high-traffic identity verification points such as border crossings, ID and payment processing centers, DMVs, social benefit distribution centers, employee registration, and financial institutions
- USB interface allows for worldwide deployment without external power supply concerns
- Works with BioEngine® API for fingerprint minutiae extraction and matching or with customer provided applications
- Ruggedized case protects the scanner from electrical and physical damage.

DFR® 2080 Fingerprint Reader Specifications

| | |
|--------------------------------------|--|
| Resolution | 500 dpi |
| Gray Scale | 256 shades of gray |
| Platen Area | 0.6 x 0.6 inches (15 mm x 15 mm) |
| Geometric Distortion | Less than 1.5%* |
| USB Output | USB Version 1.1, 12 Mbps transfer rate |
| USB Connector | Type A Male (6' cable supplied) |
| Power Input | Operates from USB source. 4.75-5.25 VDC |
| Dimensions | 3.0"H x 1.5"W x 3.25"D (76 mm x 38 mm x 83 mm) |
| Weight | 0.9 lbs. (410 grams) |
| Ambient Operating Temperature | 32° to 104° F (0° to 40° C) |
| Storage Temperature | -40° to 150° F (-40° to 65° C) |
| Ambient Operating Humidity | <90%, non-condensing |
| Optical | |
| Platen Dimensions | 0.6 inches (horizontal) x 0.6 inches (vertical) |
| Geometric Distortion | Less than 1.5%** |
| Illumination | Non-uniformity Less than 3 db at the edges and corners; piecewise monotonic throughout |
| Resolution | 500 dpi +1% |
| Grayscale Quantization | 8 bits per pixel |
| Electrical | |
| Power Source | Operates directly from USB power source (4.75 - 5.25 vdc) |
| Illumination Source | Internal to the scanner |
| Power Consumption | 400 mw |
| Serial Communication | Conforms to USB version 1.1 specifications |
| Cable | 6 ft. cable with Type A USB connector included |
| Mechanical | |
| Weight | 0.9 lbs |
| Platen | Rugged, quartz hardened acrylic platen |
| Environmental | |
| Operating Temperature | 32° to 104° F (0° to 40° C) |
| Storage Temperature | -40° to 150° F (-40° to 65° C) |
| Relative Humidity | <90%, non-condensing |
| ESD | Air - 15 KV, Contact - 8 KV |
| Software | |
| Operating System Software | Drivers and DLLs provided for Windows 98, ME, NT 4.0, 2000, and XP |
| BioEngine® | API DLL interface supports Identix BioEngine® library calls, including image format to BioEngine® specifications |
| Image Output | Unique library calls provided for raw image output at native (500 dpi) image format |
| Image Contrast | Automatic image contrast enhancements provided |
| Real Time Display | Frame rates no less than 3 frames per second |
| Image Capture | 500 dpi of 248 x 292 pixels |
| Certifications | CE, FCC Part 15 Class B, RoHS |

* 1.5% bounded by an ellipse with horizontal and vertical axis equal to the platen dimensions.

** Bounded by an ellipse with horizontal and vertical axis equal to the platen dimensions

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