



DFR[®] 2080 Fingerprint Reader

Ideal for High-Traffic ID Verifications

Identix Biometric 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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5705 W. Old Shakopee Rd.
Suite 100
Bloomington, MN 55437
Telephone 952-932-0888
Facsimile 952-932-7181

www.L1id.com