

Identix® DFR® Professional Direct Fingerprint Reader

The World Standard in Single Finger Imaging

The Identix DFR® Professional Direct Fingerprint Reader is a highly reliable and ergonomic single-finger scanner that supports the capture of 500-dpi forensic-quality fingerprint images and delivers output in both USB digital and RS-170 analog video signal formats.



Based on Identix' highly successful DFR®-90 —with over 5000 units installed, including Department of Motor Vehicle registration, U.S. Department of Defense, international Social Security administration and immigration programs —the DFR Professional Direct Fingerprint Reader is the trusted leader for single-finger imaging solutions.

The DFR Professional scanner provides image capture at true NIST-compliant 500-dpi, 256 gray level resolution. This imager provides a conventional RS-170 video output to support analog-based capture systems and video monitors, and also provides a digital USB output (either output may be used alone or both may be used simultaneously). Fingerprints captured with the DFR Professional Direct Fingerprint Reader are compatible with existing images produced with DFR-90 or TouchView™ imagers.

The DFR Professional scanner's ergonomic finger cradle guide positions the finger for optimal scanning on the first try. And the stand-off platen comfortably accommodates various hand positions for both finger and thumb imaging.

USB and Analog Output: Integrates equally well with framegrabber-based solutions or as a digital peripheral.

Optimal Ergonomics: Finger-guiding cradle accommodates long fingernails and ensures optimal finger placement every time. Stand-off design provides room for all hand positions.

High Reliability: Protective platen coating holds up to heavy use. Non-conductive, rugged case protects the scanner from electrical and physical shock damage.

Features & Benefits

- ▄ Precision-engineered platen area assures true forensic 500-dpi resolution.
- ▄ Field replaceable platen assembly for low Mean Time to Repair (MTTR).

Specifications

Model Number: DFR-2090U (110 volt), DFR-2290U (220 volt)

Resolution*: 500 dpi x 500 dpi +/- 3% nominal, < 0.3% typical

Gray Scale*: 256 shades of gray

Forensic Platen Active Area: 0.8 x 1.0 inches (20mm x 25mm)

Distortion: less than 1.0% trapezoid

USB Output: USB Version 1.1, 12Mbps transfer rate

USB Connector: Type A Female (6' A-A cable supplied)

Analog Output: RS-170, BNC connector

Analog Output Signal: 0.7 volt p-p +/- 0.05v into 75 ohm termination

Analog Output Scan Rate: 30 frames/sec interlaced

Power Input: 12V, 500ma, 2.1mm x 5.5 mm coaxial plug, center positive

Dimensions: 5.5"H x 2.8"W x 7.5"D (138mm x 71mm x 189mm)

Weight: 1.8 lbs (820 grams)

Ambient Temperature: 40 to 95 F (5 to 35 C)

Ambient Operating Humidity: 20 to 80%, non-condensing

*For analog output, the signal must be sampled at 12.2727 MHz with an external customer-supplied framegrabber of at least 8 bit quantization to achieve 500 dpi and 256 gray level resolution.



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