



CROSS MATCH

L SCAN[®] 100/100R

**Compact, quick ID scanner
that captures rolled
and flat fingerprints**

**CROSS
MATCH**
Technologies

There are applications in the biometrics identification field where complementary to the common complete “10-print-forms” (all 10 rolled and 4 flat control prints) the use of single flat or single rolled fingerprints is appropriate.

Visa application checking (consulates), border control (immigration), inmate handling (prison) and background checks (job applicants) are examples for quick identity checks.

The new L SCAN 100R scanner is the robust and cost efficient solution for that task. Operation is very easy and

intuitive, just place the finger on the capture platen and with a click of a button the fingerprint can be scanned. Its salient features include the live image display while capturing, compact form factor, modern standard USB 2.0 PC interface, no moving parts, and solid reliability in daily use.

With its modern design this device fits nicely into the application environment of offices and counters. Its plastic housing is robust and lightweight and can instantly be fixed on a desk with the integrated Quick Snap'n Work™ holder.

CROSS MATCH L SCAN 100/100R

L SCAN 100/100R Benefits

- Capturing of live single flat and rolled fingerprints
- High scanning resolution 500 ppi, compliant to international AFIS standards
- Standard USB 2.0 computer interface for easiest connectivity and system integration
- Windows 2000 & XP software
- Rugged design, stylish housing, coating-free capture platen surface

Main Features

Product components: Scanner block, USB interface cable, desk mount kit and driver software

Computer requirements: Minimum: Pentium-class PC with Microsoft Windows 2000 SP4/higher or XP SP2/higher operating system (min. P4/2 GHz CPU, 512 MB, USB 2.0)

Scanner Functions

Scanned finger types: Single flat finger (model L SCAN 100), single flat and single rolled finger (model L SCAN 100R)

Fingerprint capture format: 1.24" x 1.24" (31.5 x 31.5 mm)

About Cross Match Technologies, Inc.

Since its founding in 1996, Cross Match Technologies, Inc. has been at the forefront of the development and deployment of cost-effective biometric security solutions for law enforcement, federal, aviation, commercial and international organizations. Headquartered in Palm Beach Gardens, Florida, and offering the broadest product lines in the industry, Cross Match is recognized for setting new standards in fingerprint and other biometric technologies through its more than 150 existing or pending patents and related intellectual properties. Additional information on Cross Match is available at www.crossmatch.com.

Scanner control elements: None at the device, control and image display is done via the PC

Scanner power consumption: DC 5 Volts / 500 mA max. = 2.5 VA max.

Scanner power converter: No internal or external converter module required, scanner is powered via the USB 2.0 interface - therefore, the PC or a USB 2.0 hub with built-in power output provides the supply current to the scanner device

Scanner interface: USB 2.0 interface with USB connector type B

Scanner interface cable: Standard USB 2.0 compliant cable, max. length 10 feet (3 m)

Fingerprint capturing: With "live" display on PC via the capture function of the driver software

Scanner resolution: 500 pixels-per-inch (ppi) = 19.7 points-per-millimeter

Scanner dynamic range: 8 bit, max. 256 gray scales

Scanner image quality: Designed to meet the resolution requirements of the Image Quality Specification (IQS) of the FBI's Electronic Fingerprint Transmission Specification (EFTS)

Scanner output image size: 600 x 600 pixels (H x V)

Scanner Dimensions

Scanner size: (H x W x D) 3.2" x 3.3" x 6.5" (81 x 86 x 165 mm)

Scanner weight: 1.3 lbs. (520 g)

Operation and Environmental Conditions

Operating environment: Indoor (Building, Container, Car), on table-top or kiosk integrated

Interface cable protection: Cable is clamped at the scanner side and protected against access

Scanner mounting on desk: Via desk mount kit with Quick Snap'n Work mechanic

Operating conditions: +50...+ 103° F (+10 ...+ 40° C), 10...80% relative humidity, non condensing, no direct sunlight exposure

Maintenance: Daily maintenance: Keep scanner clean (especially capture platen)

Preventative maintenance: Annual function check (via the application software, no other tools required), consumables: glass cleaner

Standards

Target reliability: MTBF 40,000 hrs., MCBF 100,000 captursings, MTTR 2 weeks (under normal operating conditions)



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