



CROSS MATCH

Verifier™ 300 LC 2.0

Single Finger Scanner
with USB 2.0 Interface

CROSS MATCH
Technologies Inc.®

Cross Match Technologies' Verifier 300 LC (Lexan Case) 2.0 is a single fingerprint capture device that delivers accurate and reliable results for identification, verification, and registration programs. Cross Match's Verifier products have been deployed in more than 5,000 customer applications around the world in a wide array of projects including Child ID programs, physical access control projects, border and port entry/exit control and national ID and registration programs.

The Verifier 300 LC 2.0 is available with universal serial bus (USB 2.0) connectivity and the unit's small size is easily integrated into existing applications. A kiosk-ready version is available to simplify integration.

The Verifier 300 LC 2.0 provides high quality images of a fingerprint while maintaining sub-pixel geometric accuracy. The unit is ruggedly built with a lightweight, polycarbonate lexan case.

CROSS MATCH VERIFIER 300 LC 2.0

The Cross Match Verifier product line is known for superior image quality, consistency from device to device, durability, and low maintenance requirements. Verifiers are ideal for desktop enrollments, software testing and evaluation environments, and demanding applications such as: school time and attendance, hospital patient record verification, border and port control and correctional facility access control. These readers will provide the highest forensic quality images and years of trouble-free reliability.



New Verifier 300 LC 2.0 Enhancements

- Faster frame rate than existing Cross Match USB Scanners (5 frames per second at fastest speed)
- SDK - several new calls allow programmer to slow image streaming to accommodate older computers

About Cross Match Technologies, Inc.

Cross Match Technologies is an industry leader in the development of a complete line of forensic-quality fingerprint and palm print readers for state, federal, commercial, aviation and international organizations to prevent infiltration, crime and terrorism. Cross Match currently offers the most comprehensive line of biometric products in the industry supported by superior customer service. Cross Match has customers in 50 countries and is responsible for fingerprinting over 20 million people worldwide. Cross Match has sold over 5000 customer applications and holds or has pending more than 140 patents.

- Programmers Note: Existing applications compiled using version 3.0 of the USB SDK .lib file will need to be re-linked with the new .lib file provided in version 4.0 of the USB SDK. Programmers whose applications were compiled using dynamic linking to our DLL will not need to re-link.

Existing Verifier 300 LC Features

- Generous platen area (1.2" x 1.2")
- High Contrast (ANSI-NIST compliant)
- The USB connection eliminates the need for an Image-Capture Board
- Light weight (1lb) (.45 kg)
- Available with integrated USB cable
- Low maintenance requirements
- Rugged, durable & portable (1 lb)
- Consistent high-quality forensic flat fingerprint images
- Improved illumination can capture quality fingerprints from stained, marked or dark fingers
- Patented aspherical lenses
- I/R filter to improve ambient light rejection
- Ratings: FCC, UL, CE

System Requirements

One of the following Operating Systems:

- Windows XP Professional
- Windows 2000 Professional
- USB SDK V 4.0 or later

- 1 GHz or Higher Pentium IV Compatible CPU
- 256 MB Ram
- 50 MB of Available Space
- USB 2.0 Compliant Ports or USB 2.0 PCI/PCMCIA Card)

Specifications

Resolution

500 DPI \pm 1%

Modulation Transfer Function

50% at 10 cycles per millimeter at finger platen

Linearity and Rectilinearity

Less than one pixel (average)

Illumination Uniformity

Less than 50% variation center to corners

Platen Size

1.2" x 1.2" (30.5 mm x 30.5 mm)

Output (Digital)

Universal Serial Bus (USB 2.0)

Power (Digital)

5 V DC (supplied by PC)

Temperature range

0°F to 104°F (-18°C to 40°C)

Humidity range

10-90% non-condensing, splash-resistant

Weight

1 pound (.45 kg)

Dimensions (H x L x W)

2.45" x 6.38" x 3.25"
(62 mm x 162 mm x 83 mm)

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