



CROSS MATCH

Verifier™ 300

Single Finger Scanner with
 USB or Video Interface

CROSS MATCH
 Technologies Inc.®

Cross Match Technologies' Verifier 300 is a single fingerprint capture device that delivers accurate and reliable results for identification, verification, and registration programs. The portable and durable device has been deployed in more than 5,000 applications around the world in a wide array of projects including Child ID programs, physical access control projects, border entry/exit control and national ID and registration programs.

The Verifier 300 is available in universal serial bus (USB) or with video interface (NTSC/CCIR) and is easily integrated into existing applications. The unit's small size makes it ideal in applications where space is limited or the capture unit is built into a structure like an ATM or kiosk. The Verifier 300 provides high quality images by capturing high resolution details of a fingerprint while maintaining sub-pixel geometric accuracy. The unit is ruggedly built with a case milled from a solid block of aluminum.

CROSS MATCH VERIFIER 300

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 (school time and attendance, hospital patient record verification, and correctional facility access control). These readers will provide the highest forensic quality images and years of trouble-free reliability.

The Cross Match Verifier™ 300 Series is intended for high-quality, live single-finger imaging applications. These readers are designed for a variety of applications that include:

- Commercial Verification Systems (Verify Cards, PINs, RF Tags, Other Biometrics)
- Commercial Identification Systems (Anti-Fraud, Member Approval, Visitor Control)
- Identity Audit Trails (Transaction Accountability)
- Law Enforcement and Military (High Security Areas, Corrections)

Verifier 300 Benefits

- Available with USB or video interface
- Low Maintenance Requirements
- Rugged, Durable & Portable
- Consistent High-Quality Forensic Flat Fingerprint Images

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 40 countries and is responsible for fingerprinting over 20 million people worldwide. Cross Match has sold and delivered over 5000 systems and holds more than 70 patents.

- Ideal for Desktop Enrollment, Software Testing and Evaluation Environments

Verifier 300 Features

- Generous platen area (1.2" x 1.2")
- High Contrast (ANSI-NIST compliant)
- The USB version eliminates the need for an Image-Capture Board (USB Version Only)
- Light weight (2.2 lbs) (1.00 kg)
- Patented aspherical lenses

System Requirements

One of the following Operating Systems:

- Windows XP (w/ Svc. Pack 1 and USB SDK V 2.000 or later)
- Windows 2000
- Windows ME
- Windows 98 SE
- Windows 98
- Windows 95 OSR 2.1 (4.03.1212 – limited technical support)
- 133 MHz or Higher Pentium-Compatible CPU
- 32 MB Ram
- 10 MB of Available Space
- USB 1.0 Compliant Port (USB Version Only) (USB 2.0 Compliant Ports w/ USB SDK V 2.000 or later)
- Frame Grabber or Video Interface (Video Version Only)

Specifications

Resolution

500 DPI ± 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 version only)
- Video RS-170 or CCIR (video version only)

Power (Digital)

- 5 V DC (supplied by PC) (USB version only)
- 15 VDC at 300mA (115/240 V AC) (video version only)

Temperature range

35°F to 100°F (2°C to 38°C)

Humidity range

10-90% non-condensing, splash-resistant

Weight

2.2 lbs (1.00 kg)

Dimensions (H x L x W)

- 2.10" x 6.22" x 2.35" (53 mm x 158 mm x 60 mm) (USB version only)
- 2.10" x 6.90" x 2.35" (53 mm x 175 mm x 60 mm) (video version only)



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