



**CROSS MATCH**

# Verifier™ E

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Technologies Inc.™

The Cross Match Verifier E is unlike any other product available today. It's a "smart" scanner using the latest technology in fingerprint readers with built-in intelligence for image quality and performance. An embedded algorithm counts and analyzes minutiae ridges to ensure that only a high quality print is captured every time.

The Verifier E has an online capability connecting to existing Ethernet networks and is viewable through any web-browser or custom application

using standard TCP/IP protocol. The Ethernet connection makes the Verifier E faster and easier to integrate into high volume enrollment, identification and verification projects. The universal Ethernet connection also saves organizations significant capital and operational expenses since many Verifier E scanners can be connected to just one computer – unlike USB scanners, which require one computer to one scanner. A Verifier E Web Center enables you to configure the scanner simply using your browser.

## CROSS MATCH VERIFIER E

The Verifier E's unique features make it a versatile device that can be used in a number of ways. For example, the Verifier E has an external serial port connection, which enables users to connect other peripheral devices such as magnetic card readers for one-to-one matching against an identification card and LCD displays to enhance the user interface. The product also has finger detection—a feature that detects that a new finger is present and automatically captures the print in a fraction of a second. The unit comes equipped with a prism warmer to help prevent halo effects caused by temperature differences between the prism and finger.

Cross Match prides itself on being a leader in the forensic-quality fingerprint scanner marketplace. Cross Match is known for superior image quality, consistency from device to device, durability, low maintenance requirements and compliance with requirements from the Federal Bureau of Investigation and National Institute of Standards and Technology. The Verifier E is ideal for demanding applications such as Network Access Control, Border Patrol, Frequent Traveler Programs, Passport Projects, Jail System Access Control, Driver's License Projects and Social Service Projects.

### Verifier E Benefits

- Built-in intelligence ensures a quality print every time
- Ethernet connection allows for fast results, seamless integration and cost savings
- Unique features promote versatility and ease of use
- Can be easily added to an existing Ethernet system

### Verifier E Features

- Generous Platen Area
- Ethernet Operation
- Finger Detect
- Heated Prism
- Smart Finger Print Recognition
- Web Browser Interface
- ANSI-NIST Compliant
- Rugged, Durable & Portable
- Consistent High-Quality Forensic Flat Finger Images
- Low Maintenance Requirements
- Patented Aspherical Lenses



### Verifier E Specifications

#### Dimensions

Height: 2.45", Width: 3.25", Length: 6.38"  
(62 mm x 83 mm x 162 mm)

#### Weight

.9 lbs (.41 kg)

#### Scanner

Platen Area: 1.2" x 1.2"

Gray Scale: 256 levels of gray

Resolution: 500 dpi +/- 5 pixels  
in X and Y axis

Linearity: < 1 pixel (average)

#### Image Types

BMP, PNG

#### Electrical

Voltage: 12 -15 VDC

#### Communication

Ethernet 10/100 BASE-T

#### Environment

Temp. Range: 0°F to 122°F  
(-18°C to 50° C)

#### Humidity

10-90% non-condensing, splash-resistant

#### Regulatory

FCC, UL, CE

### 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.

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