

PRODUCTS

MV 100[™]

Mobile Fingerprint Workstation



The MV 100 offers in-the-field identity checks using a forensic quality fingerprint scanner, an integrated Personal Digital Assistant, a digital camera, a magnetic stripe card reader and wireless communications.

With Cross Match Technologies' MV 100, law enforcement, security guards, the military, and other organizations can quickly and accurately verify the identity of subjects in the field.

Cross Match offers a mobile, hand-held, full-featured fingerprint workstation with a forensic quality fingerprint scanner, pocket PC, digital camera, and magnetic stripe card for one-to-one ID verification. The MV 100 can provide on-the-spot access to identification information in the harshest environments with its rugged and shock proof housing. The compact unit weighs less than two

pounds and can easily be held and operated with either hand. The MV 100 is completely mobile and can be adapted to any wireless infrastructure.

The MV 100 uses the same optical technology found in Cross Match's industry leading Verifier[®] fingerprint scanners capturing high quality fingerprint images regardless of skin pigment or the presence of stains from ink, dyes, grease, or dirt. Cross Match's optional silicone membrane enhances ridge details and overcomes the difficulties associated with dry and hard to print fingers. The MV 100 fingerprint platen measures approximately 1" wide by 1.5" tall, produces images at 500 ppi resolution and can operate in sunlight without the use of special hoods or operator techniques.

MV 100™

Mobile Fingerprint Workstation

Product Features and Benefits

- Forensic quality, 500 ppi fingerprint scanner
- Captures high quality fingerprint images regardless of skin pigment or the presence of stains from ink, dyes, grease or dirt
- Operates in sunlight
- Color Mug shot capability – 1.3 mega pixel, FBI compliant digital camera with NIST compliant output
- In-the-field identity checks saves law enforcement and military officials the time it takes to bring a subject into a station
- Wireless communications through built-in 802.11 b and Bluetooth®
- ActiveSync to PC makes it possible to backup and synchronize data
- Color touch LCD pocket PC
- Feature-rich development kit allows third parties to save the expense of purchasing a proprietary server application and offers complete flexibility in developing applications
- Rugged, compact, and lightweight measures 8.6" L x 4.2" H x 4.1" W and weighs less than 2 lbs.
- Designed with operator safety in mind

MV 100 Software

An SDK will be provided allowing access to the MV 100's capabilities and enabling third parties to rapidly develop applications.

- 3rd party software creation and integration capability
- Ability to maintain internal fingerprint databases
- Licensable Cross Match fingerprint matching algorithm
- Licensable EFT file generation utility
- Auto fingerprint capture utility
- Cross Match Identity Management applications (optional)
- Automated fingerprint identification search (AFIS) interface
- Identity Verification capability 1:1 (fingerprint to ID card or database)
- Identification capability 1:N
- Enrollment (ID Management Solutions, Access Control System, etc.)

MV 100 Specifications

Product Type: Single finger plain, flat impression

Finger Platen: 1" wide x 1.5" tall

Resolution: 500 ppi +/- 1%

Mug Shot Camera: 1.3 Mega Pixel Color

Interfaces: Compact Flash, 802.11 b, Bluetooth, secure digital card and Mag Stripe Reader

Dimensions: 8.6"L x 4.2"H x 4.1"W

Weight: Less than 2 Lbs

Operating Temperature Range: 32° F to 104° F (0° C to 40° C) Humidity: 10-95% non-condensing

Environment: Operates in sunlight

Regulatory: FCC, UL, CSA

Buttons: 2 user/application defined buttons plus standard five buttons on Pocket PC Computer

Platform: DELL™ Axim X 50/51 series with Windows mobile 2003 for Pocket PC or newer, Color Touch LCD Display, 64MB SDRAM, 128MB FLASH

Batteries: High capacity Li-Ion Rechargeable battery for Pocket PC, High capacity Li-Ion Rechargeable battery for MV 100 subsystem (both batteries are customer replaceable)

Battery Life: (approximate) 5 hours continuous, 10 hours normal and 5 days standby (off)

Standard Accessories: Docking cradle with 12 V supply, USB Cable, Silicone Membranes

Development Environment: SDK available with C/C++ support

Additional SW toolkits: EFT generation SDK, Fingerprint Extract and Match SDK

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