CROSSMATCH® TECHNOLOGIES

PRODUCTS

I SCAN 2

Dual Iris Capture Scanner

Rapidly capture iris images for easy enrollment and foolproof identity verification.

Cross Match® I Scan 2 enhances military and civilian security programs with fast and reliable biometric technology. A durable and compact dual iris capture scanner, I Scan 2 is an integral part of any comprehensive identity management program. With the system, organizations can extend their security installations by adding rapid mobile enrollment, identification and verification through iris capture applications.

The USB-powered handheld scanner is ANSI INCITS 379-2004 and ISO/IEC 19794-6 compliant—producing the highest quality iris images. And because it is standards-based, I Scan 2 is compatible with known iris matching algorithms and does not require a separate license to acquire and populate iris images.

The included I SCAN Essentials SDK and driver software enable image finding and stabilization, pupil segmentation, image quality assessment and auto capture functionality for quick and easy image collection. In the tradition of Cross Match livescan technology, I Scan 2 is the most advanced and easy-to-use iris capture solution on the market.

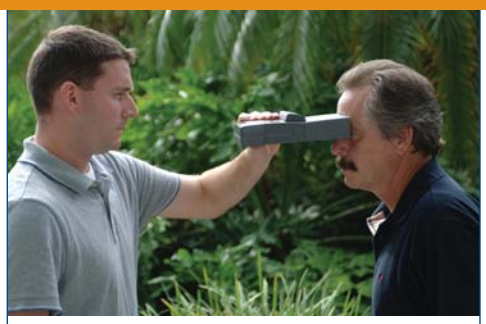
I SCAN 2

Features and Benefits

- Dual iris capture in less than ten seconds
- Automatic image capture without user intervention
- Durable housing
- Portable system that integrates into Cross Match Jump Kits or other mobile identity management solutions
- Fold open visor accurately sets optimum focus and shields the eyes from direct sunlight
- Operates in total darkness

Specifications

- Splash and dust resistant to IP65 rating (IEC 60529)
- Shock per ISTA 2A Shipping and Handling Spec
- Vibration per ISTA 2A Shipping and Handling Spec
- Accommodates interpupillary distances (IPD) ranging from the 5th to the 95th percentile
- Meets iris image interchange format specifications: ANSI INCITS 379-2004 and ISO/IEC 19794-6 standards
  - Image quality high level
  - Spatial resolution: 4.0 lp/mm at 60% or higher contrast
  - Pixel Resolution: 16.7 pixels/mm (> 200 pixels over iris diameter of 9.5-13 mm)
- Incorporates "Anti-Dilation" system to facilitate a smaller pupil
- Near-IR Illumination (700-900 nm)
- Scanned FOV: 50 mm x 40 mm per eye



- Dual Optical system utilizing 1.3 megapixel cameras
- Certifications: FCC Class A, RoHS
- Certifications for Eye Safety: Class 1 LED Product IEC 60825-1:1993+A1:1997+A2:2001, ANSI RP-27.1-96
- Power supplied via USB cable on a USB 2.0-compliant port (no battery required)
- Cable ~ six-feet long, permanently attached with a strain-relief feature
- Device provides bitmap images at a maximum rate of 7.5 fps
- Housing:
  - PC/ABS blend
  - Attached visor to set optical distance
  - Retractable ambient light shield
- Standard depot maintenance
- Auto capture used as field calibration check
- Manufactured in U.S.

Dimensions and Environmental Conditions

Scanner Weight: 1.1 lbs (.5 kg)

Scanner Size: 6″ x 1.9″ x 6″ (152 mm x 48 mm x 152 mm)

Operating Conditions:

Operating Temperature: 32º to 120ºF (0º - 49º C)

Humidity: 10-90% non-condensing

Applications

- Military
- Border Control
- Law Enforcement

I SCAN 2 features dual iris capture in less than ten seconds and weighs just over one pound.

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