

## PRODUCTS

# I SCAN™ 2

## *Dual Iris Capture Scanner*



### **Application Environments:**

- Military
- National ID Programs

Cross Match<sup>®</sup> 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

## Specifications

- Accommodates interpupillary distances (IPD) ranging from 38 – 80 mm, covering 99% of subjects aged 5 and older
- High level image quality
- Spatial resolution: 4.0 lp/mm at 60% or higher contrast
- Pixel Resolution: >22 pixels/mm (> 210 pixels over iris diameter)
- Incorporates “Anti-Dilation” system to facilitate a smaller pupil
- Near-IR Illumination (700-900 nm)
- Capture volume: 33 mm x 30 mm x 12.7 mm, exceeding NIST Mobile ID Best Practice Recommendations and UID standard
- Dual Optical system utilizing 1.3 megapixel cameras
- Power supplied via USB 2.0 (no battery required)
- USB cable ~ six-feet long, permanently attached with a strain-relief feature
- USB-Orig certified USB 2.0 high speed interface
- 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
- Auto Capture used as field calibration check
- Manufactured in U.S.

## Dimensions

- Scanner Weight: 1.1 lbs (0.5 kg)
- Scanner Size:  
in operation configuration:  
234 mm x 157 mm x 50 mm  
in storage configuration:  
153 mm x 157 mm x 50 mm

## Environmental Conditions

- Operating Temperature:  
32 °F to 120 °F (0 °C - 49 °C)
- Humidity Range:  
10% - 90% non-condensing

## Certifications

- Meets iris image interchange format specifications: ANSI INCITS 379-2004 and ISO/IEC 19794-6 standards
- Certified according to UID specifications (BDSC-03-08) with “Certificate of Approval”
- 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
- Splash and dust resistant, designed to meet IP54 (IEC 60529)
- Shock and Vibration per ISTA 2A Shipping and Handling Specification



*I SCAN 2 captures iris images in less than ten seconds and weighs just over one pound*

## SDK

- Cross Match standardized device integration interface BioBase
- Provides AutoCapture™ functionality
- Quality measurement according to NIST recommendations
- Status feedback about capture process
- Developer’s documentation and integration sample code
- Supports Windows XP, Windows 7 (32 and 64 bit)
- Minimum: Intel Atom processor or similar and 1GB RAM

## 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

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*The Worldwide Standard in Biometric Identity Solutions*