

# BioScan10



Bioscan10 Is A Compact 4-slap Scanner In Full Compliance With The “10-print Capture Scanner & Software User Group Requirements” Suitable For All Applications In Need Of 10 Fingerprints Flat And Rolled Acquisition. Main Applications Are Visa Issuing, E-id Documents and Criminal Identification.

- **10 FINGERPRINTS AND ROLLED ACQUISITION**
- **USER INTERFACE FACILITATING FINGERPRINT**
- **FBI CERTIFIED**

## Features

- ❖ BioScan10 is a 3.2" x 3.0" live fingerprint scanner, in conformance with international standards, for acquiring 4-slap/2-thumbs fingerprints as well as rolled fingerprints. Its small footprint and low weight increase mobility thus rendering BioScan10 suitable for desktop applications as well as for integrated solutions
- ❖ An ergonomic design combined with an easy-to-integrate SDK architecture turning BioScan10 into the perfect choice for integrators and solution providers. BioScan10 integrates a 12 LED graphical user interface eliminating the necessity for skilled operators' thus increasing workflow efficiency. No silicon pad or heated glass platen is used resulting high reliability and low maintenance costs
- ❖ BioScan10 is suitable for all applications that requiring 4-slap/fingerprint acquisition including rolled fingerprints according to FBI IAFIS-IQS quality. BioScan10 processes fingerprints faster, simpler and thanks to Green Bit unique software features more reliable compared to the traditional ink method eliminating the need for skilled operators.
- ❖ This revolutionary product represents a new age in digital fingerprinting. All civil and law enforcement applications requiring the acquisition of 10-prints will be fully satisfied by BioScan10 performance and quality.

## Software Scanner Functions

### **AUTOMATIC ACQUISITION STOP:**

Highest quality image selection during flat fingerprints scanning.

### **ELIMINATION OF LATENT PRINTS:**

Elimination of latent prints originated from recent scans.

### **HALO ELIMINATION:**

Elimination of halo due to moist fingerprints during acquisition.

### **ROLLED FINGERPRINT CAPTURING:**

Display in real-time, self-adaptive to rolling speed and directions, seamless composite image generation, automatic stop detection.

### **AUTOMATIC SEQUENCE CHECKING:**

Eliminates incorrect fingerprints sequence scanning.

### **SEGMENTATION:**

Automatic splitting of four- slap and two thumbs fingerprint images in single fl at images.

### **IMAGE QUALITY CHECKING:**

Dynamic estimation of fingerprint image quality during scanning process; NISTIR7151 quality check.

### **AUTO CAPTURE:**

Sensing of slap/single finger placement on the scanner.

### **SLIDE DETECTION FOR FLATS PRINTS:**

Detects deformations of fingerprints due to sliding during acquisition.

### **ANTI-FAKE "LITE":**

Distinguishes between real human finger patterns and other surfaces with relief structure (e.g. gloves, tissue).

### **COMPRESSION:**

WSQ Compression - FBI certified software to compress the fingerprint images, JPEG, JPEG2000 Output.

### **FINGER ALLOCATION CHECK:**

Checks presence of finger core, and basic/ distal flows.

### **STANDARD OUTPUT FORMAT: 3**

Creation of "ANSI/NIST-ITL-1-2007" type 1, 2, 4 and 14 records - EFTS71 output format support.

## Technical Data

<b>FINGERPRINT SCANNER</b>	Plain four fingers up to 3,2" x 3,0" - Two plain thumbs up to 3,2" x 3,0" Flat finger upto 3,2" x 3,0" - Rolled finger up to 1,6" x 1,6"
<b>INTERFACE</b>	USB 2.0
<b>QUALITY AND FORMATS</b>	FBI IAFIS IQS CJIS-RS-0010 (V7) Appendix F compliance ANSI/NIST-ITL 1-2007 ISO/IEC FCD 19794-4 ANSI/NIST-ITL 1-2000 ANSI/NIST-ITL 1-2000 Interpol Implementation
<b>HUMIDITY</b>	From 0% to 90% non-condensing
<b>WEIGHT</b>	2 Kg
<b>TEMPERATURE</b>	Storage: from 0°C to +50°C - Operating: from +1,5°C to +49°C
<b>DIMENSIONS</b>	134 x 151 x 125 mm