



Biomatiqués®

eParakh® Iris Scanner



Model : EPI - 1000

The simplest form of Iris capturing device which is hygienic to use, as captures iris images from distance, easy to operate and use by end users using an optional capturing aid which provides iris images of exceptional quality compliant to ISO/IEC 19794-6 standards for both enrolment and verification. Patented hardware with proprietary and trademarked eParakh® Iris feature extraction algorithm for Kind 7 Iris image support. Device offer light weight IP 54 casing for outstanding durability and strength.

Specifications :

| CATEGORY | DESCRIPTION |
|----------------------------|---|
| Iris Images | Single Eye |
| Image Resolution | 640 x 480 Pixels |
| Pixel Resolution | 19 pixel/mm |
| Capturing Distance | Approx 3 inch |
| Frame Rate and Pixel Depth | 30 fps @ 24 bits/pixel |
| Capture mode | Auto and Manual |
| Lighting Illumination | 700 to 850 nm (NIR) |
| Contrast | Iris is 60 points grayscale to sclera. Pupil is 120 points grayscale to iris. |
| Image acquisition time | < 1 Sec |
| Connectivity | High Speed USB 2.0 |
| Image Standard | ISO/IEC 19794-6 |
| Geometric Distortion | <1% |
| Usage | Indoor and Outdoor [avoid direct sunlight and bright environments] |
| Device Dimensions | 117 mm x 56 mm x 40 mm |
| Operating Temperature | -10°C to +60°C |
| Operating Humidity | 0 to 95%, non-condensing |

Device Driver and OS support :

Supported OS



SDK Platforms



Applications :



eParakh® IriDist®

This is the first of its kind device with variety of application where with very little co-operation from user, captures iris images from 2 meter distance for rapid Iris Recognition. This product offer even better features and quick verification while combined with RFID or Smart Cards. The device offers unique and tailored solution for many corporate and government offices in variety of fields including access control, Time & Attendance, building security, border control and law enforcement.



Specifications :

DESCRIPTION

Auto capture camera to captures Iris from 2 meter distance and perform verification

Proprietary hardware solution to deliver tailored application of the device with rapid Iris Recognition

Metal casing provide more strength and durability

Excellent Iris image quality compliant to ISO/IEC 19794-6 standards

Excellent FAR and FRR for acceptance at variety of fields

Applications :



Office/Residence



Transportation



Medical



Infrastructure



Public Safety & Law



Attendance



Border Control



Data Center



Biomatiques® has been developing cutting edge technology specifically in the field of IRIS biometric identification using their expert knowledge in embedded and software solutions. The company was established in 2012 to provide indigenous products in the field of biometrics identity products.

Achievements

The company has developed several Biometric solutions using the Iris recognition system deploying their patented hardware and trademarked Iris Feature Extraction algorithm to provide unique and tailored solutions to their clients. The company continues to penetrate the market by offering innovative and latest Iris based products with variety of applications such as Time & Attendance, Access Control and many more.

Mission

The company promises to deliver tailored products and services to exceed their clients' expectations and increasing their profitability and efficiency in the field of biometric identity solutions.

Future Products :

eParakh® POS

Iris based POS system for electronic fund transfer which can be deployed at ATM, shops for Credit/Debit card transaction verification, transactions @ Branch and many more.

eParakh® iEagle®

Iris based recognition device with faster speed to provide exceptional level of security at variety of fields including Airports, corporate & Government offices, Premises access control, Time & Attendance etc.

eParakh® iStand®

Iris based standalone device with capability to tailor the solution for variety of fields so that device has huge field of application. The device can be deployed by many offices for Time & Attendance, Access Control, Building Security and Law enforcement.

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