ONLINE BIOMETRICS KIT

With state-of-the-art Technology H/w and S/w for R & D

BIOMETRICS

A Biometric System is essentially a pattern recognition system that establishes a person's identity by comparing the binary code of a uniquely specific Biological or physical characteristic to the binary code of the stored characteristic.

Online Biometrics kit is to facilitate Institutes and Research Centres to setup a Biometrics lab to learn, teach and develop Biometric applications based on Fingerprint, Signature, IRIS and Face Recognition.

FINGER PRINT

Fingerprint Software

- Extractor that creates fingerprint templates from fingerprint images

- Matcher that performs fingerprint template matching in 1-to-1 (verification) and 1-to-many (identification) modes.

- Available in SDK that supports C++, C# programming in Windows with Sample programs.

USB Fingerprint Reader

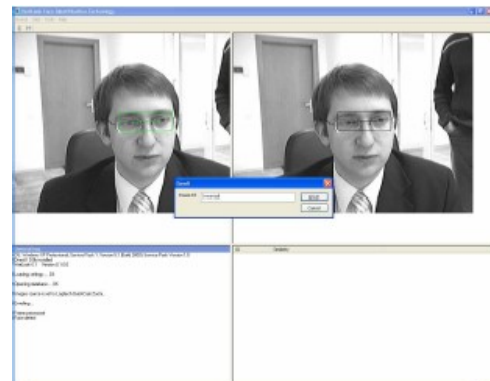| Supported OS	Microsoft Windows (32-bit & 64-bit)
Sensor resolution	512 ppi
Image capture area	15 x 18 mm (0.6" x 0.7")
Sensor type	Optical
Device size	65 x 36 x 16 mm (2.6" x 1.4" x 0.6") (approx)
Operating temperature	0°C ~ +40°C
Operating humidity	20-80 % (non-condensing)

FACE RECOGNITION

Face Recognition Software

- Extractor creates face templates from face images. The Extractor can generalize a face template from several images that include the same face to improve the template's quality.

- Matcher performs facial template matching in 1-to-1 (verification) and 1-to-many (identification) modes.

- Available as SDK that supports C++, C# programming in Windows with sample programs.
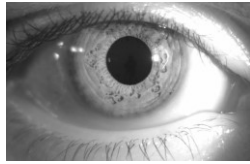
Camera:

- VGA Resolution
- 30fps
- Color
- USB or GigE.
- Lens and accessories

IRIS RECOGNITION

Hardware:
- ◆ Low Light Sensitive Monochrome Camera with Accessories (Lens, Light, Stand)
- ◆ Image Capture Hardware

Software:
- ◆ Image Capture & Processing Libraries include highly optimized functions for morphology, filters, geometric, measurement, transforms, segmentation, point-to-point and powerful geometric search tool using edge or area-based techniques with sub-pixel accuracy.

NOTE: User can use the above hardware and Software for Iris Capture, Pre processing work & can develop their own Iris Recognition package in VC++ or C# with the SDK provided.

SIGNATURE

- ◆ Active Electromagnetic Sensor Type
- ◆ Active Energized Pen Type
- ◆ 7.25" X 6.1" X 1.56"
  184 mm X 155 mm X 40 mm
  Dimensions
- ◆ 4.4" X 2.5" 112 X 64 mm Signing Area
- ◆ 377 points per second Conversion rate
- ◆ Bundled software including Create applications in C. Native assembly for the .NET environment. Compatible with Windows.
- ◆ MS word, Excel &Adobe Acrobat plug-Ins

LCD Touch Pad for capturing Electronic signature, Interactive text and Graphics

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