

# Smart Sensors Ltd

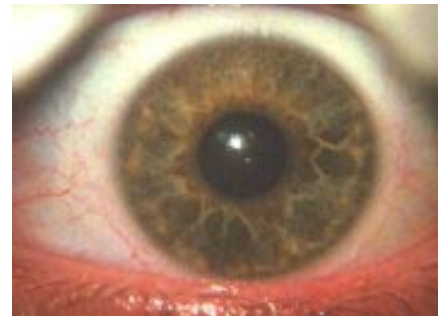
Novel high performance iris feature extraction techniques

## Iris technology – why an alternative?

- Key Iris Patent (Flom and Safir) expired in USA in February 2005
- Iris Biometrics are recognised as reliable and accurate
- The market needs competing technologies to prosper

## Why Smart Sensors?

Smart Sensors Ltd. has been carrying out research into extraction of feature vectors from iris images over the past two years, in conjunction with a leading academic at the University of Bath (UK), who is an acknowledged world expert in image processing and pattern matching techniques.



This work has now resulted in algorithms that offer genuine alternatives using different methods of feature extraction to those on which almost all the current commercial iris recognition equipment offerings are based. It features:

- Excellent ROC curve (FAR vs. FRR)
  - Performance can be parametrically adjusted (e.g. speed vs. accuracy)
  - Inherent faster extraction and matching
  - Small template: < 256 bytes
- Low complexity algorithms for easy implementation
  - Proprietary database search for high-speed, large scale 1:Many ID
  - Interoperable with standard image formats
  - International Patents in process

## Opportunities now!

Smart Sensors is looking to work with camera manufacturers and system integrators to provide feature extraction and matching engines for a new generation of competitive, economic and interoperable iris biometric systems. Please talk to us if you are a potential **Licensee, Partner or Investor**. We also have ideas for **Camera and UI improvement**

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