IOM eGate Module

SRI International offers airports and governments a cost-effective, scalable module that adds iris and face biometric identity management to passenger terminal security operations. By incorporating iris biometrics into the travel experience, airports can maintain the highest security standards without compromising throughput and convenience.

Ease of Use
SRI’s Iris on the Move® (IOM) eGate module enables fast passenger and document authentication by collecting and processing iris, face and document information in seconds. With the ability to quickly register and identify passengers, airports can realize shorter lines and enhance the terminal experience.

Flexible Design
From existing access control systems to new smart gates, SRI’s IOM eGate module can accommodate a range of customer requirements and form factors. The module can use SRI’s matching algorithm or integrate with existing identity databases.

Seamless Security
SRI’s IOM eGate module captures National Institute of Standards and Technology (NIST) compliant face and iris images that can be used for passenger identification and verification. The use of iris images results in one of the lowest false identification rates among biometric modalities. The module empowers airports to maintain the highest security standards without compromising passenger throughput and convenience.

Iris biometrics can enhance security while improving passenger experience
Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>25 cm x 40 cm x 13 cm (9.8 in x 15.7 in x 5.1 in)</td>
</tr>
<tr>
<td>Standoff Distance</td>
<td>55 to 75 cm (21.6 to 29.5 in)</td>
</tr>
<tr>
<td>Subject Height (at recommended mounting height)</td>
<td>145 to 195 cm (4 ft 8 in to 6 ft 4 in)</td>
</tr>
<tr>
<td>Capture Volume (W x H x D)</td>
<td>18 cm x 50 cm x 20 cm (7 in x 19.6 in x 7.9 in)</td>
</tr>
<tr>
<td>Iris and Face Acquisition Speed</td>
<td>&lt; 5 sec</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt; 60 Watts average, &lt; 124 Watts peak</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>10° to 50° C (50° to 122° F)</td>
</tr>
</tbody>
</table>

Preliminary—All statements and claims are design goals, pending the result of testing

Case Study — emaratech eyen with IOM Technology

Emaratech, a leading online and technology solutions company in the United Arab Emirates (UAE), launched a system, eyen, that performs simultaneous document and iris scans to quickly verify travelers’ identity when integrated into border gates. eyen is part of emaratech’s strategic relationship with SRI to bring IOM technology to airport security, border patrol and a broad range of related security applications in the region.

Challenge | SRI was tasked with delivering a fast and convenient way for airport passengers to verify their identities using iris and face biometrics.

- **Speed**: Recognize subjects in seconds
- **Convenience**: Enroll and authenticate with minimal changes in habit
- **Security**: Enable border patrol to securely process a growing number of global travelers while reallocating personnel to focus on suspicious persons

Result | SRI’s iris authentication capabilities in eyen will enhance the passenger experience while maintaining the highest level of security. eyen was launched at the 2015 Future of Borders GDRFA International Conference in Dubai, UAE.

SRI International

SRI International creates world-changing solutions to make people safer, healthier, and more productive. SRI, a research center headquartered in Menlo Park, California, works primarily in advanced technology and systems, biosciences, computing, and education. SRI brings its innovations to the marketplace through technology licensing, spin-off ventures and new product solutions.

STAY CONNECTED

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