Grabba MRZ reader is fast, accurate, mobile, lightweight and easy to use. It is commonly combined, in the one Grabba unit, with the High Frequency Mifare RFID reader which takes the code read by the MRZ reader and accesses the embedded chip in an ICAO compliant e-Passport, thereby providing complete verification.

Airlines, Airports and Law Enforcement also utilize a Grabba unit that contains the MRZ reader and RFID reader combined with the Grabba area imaging barcode scanner with driver’s license enhancement to read, decrypt where necessary, and parse every driver’s license in the US and Canada. Adding a fingerprint reader to the above combination provides a complete, mobile, handheld ID checking system that is now used in Border Protection and Law Enforcement in the US and several other countries.

The Grabba innovative and configurable design allows the user to select not only the MRZ reader, but also up to five other technologies to include in the one Grabba unit, so as to precisely and cost-effectively meet the needs of the use case.

Another advantage of the unique Grabba design is that it allows Grabba units to be simply upgraded to work with later model smartphones and to add other technologies without the need to purchase new Grabba units. This substantially reduces the Total Cost of Ownership of Grabba units.

**TYPES OF MRZ READERS**

*YOU CAN HAVE IN YOUR GRABBA*

**X040 – MRZ Reader**

Grabba MRZ reader reads the Machine Readable Zone (MRZ) in Machine Readable Passports (MRP), Visas (MRV) and OCRB encoded cards such as the US Resident Alien card and Worldwide National ID cards. In addition, APACS debit and credit documents can be read (APACS standards 3.1 and 3.2, respectively), together with E13B, OCRB and mixed E13B and OCRB fonts.

The Grabba MRZ scanner is an Optical Character Recognition (OCR) swipe reader that is able to decode the information contained in the MRZ area and supports:

- **Hardware and Software for Basic Access Control (BAC)** which is a mechanism that ensures only authorized parties can wirelessly read personal information from passports with an RFID chip.

- **Hardware for Extended Access Control (EAC)**, which is a set of advanced security features for electronic passports that protects and restricts access to sensitive personal data contained in the RFID chip.

**ABOUT OUR MRZ TECHNOLOGY**

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**MRZ READER SPECIFICATIONS**

**Performance Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard OCR fonts</td>
<td>OCR-B, E138</td>
</tr>
<tr>
<td>Machine Readable Passports (MRP)</td>
<td>2 lines of 44 characters</td>
</tr>
<tr>
<td>Machine Readable Visas (MRV)</td>
<td>2 lines of 44 characters</td>
</tr>
<tr>
<td>Travel documents</td>
<td>2 lines of 36 characters</td>
</tr>
<tr>
<td>Field of view object height</td>
<td>19.6 mm nominal</td>
</tr>
<tr>
<td>ICAO Compliant</td>
<td>ICAO 9303</td>
</tr>
<tr>
<td>Standard</td>
<td>ISO/IEC 7501-1</td>
</tr>
</tbody>
</table>

**Supported Software**

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smartphone/PDA</td>
<td>Android, iOS, Windows Phone, BlackBerry 10</td>
</tr>
<tr>
<td>Development Environments</td>
<td>Android Studio, Eclipse, Xcode, Visual Studio</td>
</tr>
<tr>
<td>Development SDK</td>
<td>SDK available through Free Membership in our Software Developer Program</td>
</tr>
<tr>
<td>Free Software available on every app store</td>
<td>Keyboard Wedge and Demo Program for all platforms and Grabba Browser for iOS</td>
</tr>
</tbody>
</table>

**WHY CHOOSE GRABBA**

**Secure USB Connection**

As the Grabba unit plugs into the USB port of the smartphone or tablet, all communication and data transfer are hard-wired and therefore more secure than wireless transmissions.

**One solution, One charger.**

The Grabba connection to the smartphone or tablet allows the Grabba charger to charge both the Grabba unit and the attached device at the same time. This single-charger convenience ensures that a completely charged solution is ready at the start of each work day.

**Technical Support**

The Grabba engineering and support teams are constantly developing and improving the Grabba solutions and are available, at no charge, to assist customers with any issues they may have.

**Wide Compatibility**

The unique Grabba design ensures that Grabba units are compatible with a wide variety of commercially available smartphones and tablets.

**Upgradeable**

The unique Grabba design allows a Grabba unit to be quickly and easily upgraded to attach to and work with later model smartphones or tablets and to add new technologies if required by changing use-cases. There is no need to purchase new Grabba units. This benefit greatly reduces the Total Cost of Ownership of Grabba units.

**Instant Wakeup**

No need to wait long time to run the solution or establishing the linkage. Pairing is not required. Just connect and start grabbing.

**ABOUT GRABBA**

Grabba is a world leader in the design, engineering and manufacture of data capture units that attach to and work with commercially available smartphones and tablets. Utilizing the Grabba patented USB communication methodology provides high accuracy, reliable and efficient mobile, handheld units.

Grabba unique designs, the ability to include multiple technologies in the one Grabba unit to exactly suit the requirements of the use-case, combined with the ease of upgrading new technologies or to later model smartphones or tablets, results in cost-effective solutions now and in the future.

Grabba units have been successfully utilized in almost every vertical market in more than 80 countries. Find out what Grabba can do for you.

**Grabba Technologies available:**

![Grabba technologies icons]

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