DataMatrix

Table of contents

also known as: ISO/IEC 16022:2000(E)

1 Example

2 Structure

The configuration for the default implementation is:

```
<barcode>
  <datamatrix>
      <module-width>{length:0.352777mm}</module-width> <!-- 1 pixel at 72dpi -->
      <quiet-zone enabled="{boolean:true}">{length:1mw}</quiet-zone>
      <shape>{shape:force-none}</shape>
  </datamatrix>
</barcode>
```

3 Notes

- This symbology has no human-readable part!
- The algorithm always chooses the smallest possible symbol arrangement.
- Structured append functionality is not implemented, yet.

4 Message format

- All ISO-8859-1 characters are valid message characters.
- Using only numeric characters allows for smaller symbol sizes.
- Currently, no ECI functionality is available. Only characters in the "ISO-8859-1" encoding can be used.
- Currently, the FNC1 and reader programming signal cannot be encoded.
- Some applications use special ASCII characters like <GS> (group separator) or <RS> (record separator). Just send them as is to Barcode4J. In Java a preamble of such an application ("[)>RS05GS") can be expressed as "[)>\u001E05\u001D". The same encoded as part of an URL (when using the barcode servlet) will be "%5B%29%3E%1E05%1D".