

## mvIMPACT Barcode



The Barcode Reader is a software module that identifies 1D-Barcodes and extracts encoded data. MATRIX VISION's robust and fast algorithms allow to identify symbols captured in a wide range of illumination conditions, symbol sizes, resolution, and symbol quality. Identification and extraction is performed in a completely automated mode: training and presetting are optional.

The code reader module is able to decode all major types:

- Codabar
- Code 2/5 (industrial and interleaved)
- Code 32 (Italian Pharmacode)
- Code 39 (standard, extended and reduced)
- Code 93
- Code 128
- Databar (omnidirectional, omnidirectional stacked, expanded, expanded stacked, limited)
- EAN (EAN-8, EAN-13, EAN-128)
- Pharmacode (Laetus)
- PZN (German Pharmacode)
- MSIPllessey (standard and bidirectional)
- Telepen (standard and double density)
- UPC (UPC-A, UPC-E)

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- Details
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Barcodes are commonplace in various applications where they are used for identification and tracking purposes. They are a low cost and well accepted technology known for its reliability and ease of implementation.

Numerous symbologies have been introduced in the course of history, supporting different character sets, various amounts of information and built-in redundancy (check digits). One or more standards are in use in each different industry.

A good barcode reader has to be fast and able to robustly locate a symbol in any orientation and contrast, and possibly damaged. For better convenience, it has to be able to automatically discriminate between the supported encodings.

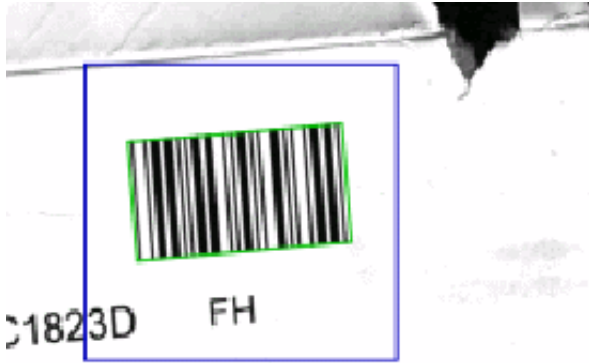


Major barcode types

Automatic location

The reader is able to find a barcode whatever the size and bar thickness and with arbitrary orientation and angle, even in a complex image. This is a fully automatic process requiring no training.

For improved performance, the search area can be restricted to a known area of interest.



Location

### Supported symbologies and type recognition

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- Code 93
- Code 128
- Databar (omnidirectional, omnidirectional stacked, expanded, expanded stacked, limited)
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The symbol type is automatically detected, but pre-selection is also possible. Additional symbologies can be supported upon request.

## Datasheets

 [mvIMPACT 3D Display](#) | 46.8 kB

Datenblatt / Datasheet mvIMPACT 3D Display

 [mvIMPACT Barcode](#) | 101.8 kB

Datenblatt / Datasheet mvIMPACT Barcode

 [mvIMPACT Base](#) | 277.5 kB

Datenblatt / Datasheet mvIMPACT Base

 [mvIMPACT Blob](#) | 103.9 kB

Datenblatt / Datasheet mvIMPACT Blob

 [mvIMPACT Color](#) | 75.6 kB

Datenblatt / Datasheet mvIMPACT Color

 [mvIMPACT Data Matrix](#) | 56.2 kB

Datenblatt / Datasheet mvIMPACT Data Matrix

 [mvIMPACT Focus](#) | 126.4 kB

Datenblatt / Datasheet mvIMPACT Focus

 [mvIMPACT GMM](#) | 85.5 kB

Datenblatt / Datasheet mvIMPACT Geometric Model Matcher

 [mvIMPACT Match](#) | 145.9 kB

Datenblatt / Datasheet mvIMPACT Match

 [mvIMPACT Measure](#) | 60.5 kB

Datenblatt / Datasheet mvIMPACT Measure

 [mvIMPACT OCR](#) | 93.2 kB

Datenblatt / Datasheet mvIMPACT OCR

 [mvIMPACT e 2012-04 MR](#) | 509.7 kB

Datenblatt / Datasheet mvIMPACT

Manuals

To be able to watch or download the manuals, you have to be [registered](#) or [logged in](#).

mvIMPACT Release / Beta for Windows XP, Vista, 7

You can evaluate mvIMPACT SDK for 30 days free of charge once. Afterwards, you will need a licence!  
If you are using a dongle for licensing mvIMPACT, you have to use the latest USB dongle in combination with the 64bit version!

 [mvIMPACT-6.8.461.6555-19823-x64](#) | 136,196.0 kB

mvIMPACT SDK 64 Bit **Release** Windows (XP, Vista, 7 / .NET 4.0 compliant, MSI, SDK Version 6.8.461.6555)

 [mvIMPACT-6.8.461.6555-19823-x86](#) | 131,760.0 kB


mvIMPACT SDK 32 Bit **Release** Windows (XP, Vista, 7 / .NET 4.0 compliant, MSI, SDK Version 6.8.461.6555)

mvIMPACT Nightly Builds for Windows XP, Vista, 7

Nightly builds are tested exemplarily and should be tested by oneself before use!

 [mvIMPACT-6.8.1148.7242-20516-x64](#) | 125,276.0 kB

mvIMPACT SDK **Nightly Build** (64 Bit, Build , Windows XP, Vista, 7)

 [mvIMPACT-6.8.1148.7242-20516-x86](#) | 121,328.0 kB

mvIMPACT SDK **Nightly Build** (32 Bit, Build , Windows XP, Vista, 7)

mvIMPACT packages for mvBlueLYNX-X

 [mvIMPACT-6.8.461.6555-19823-armv7a.tgz](#) | 24,012.6 kB

mvIMPACT (SDK Version 6.8.461.6555)

 [mvIMPACT Release Notes](#) | 52.8 kB

Stable feed:

- <http://beta.matrix-vision.com/mvblx-feed/stable/ipk/glibc/armv7a/base/>



mvIMPACT IPK packages for mvBlueLYNX

- [http://beta.matrix-vision.com/nightly\\_builds/](http://beta.matrix-vision.com/nightly_builds/)
- [Description of the packages](#)

USB Dongle driver for Windows XP, Vista, 7

- [HASP driver \(new dongle\)](#); external link
- [Hardlock driver \(old dongle\)](#); external link

Subject to change without notice, Date 09/2011