

EasyBarCode

Bar Code Reading Library



At a Glance

- Automatic detection of the barcode in the image
- Automatic detection of the symbology
- Very fast and robust
- Full support of numerous symbologies

Benefits

Open eVision Studio development and prototyping tool

Open eVision Studio is the development and prototyping tool of Open eVision. It includes a scripting function that generates code (C++, C# and Visual Basic ActiveX) using easy to understand menus and dialog boxes. The generated code can then be copied and pasted into your application's source code.

EasyBarCode description

EasyBarCode is a library designed to automatically locate and read bar codes. Bar codes encode short character string and are widely used for marking and identifying goods.

EasyBarCode is able to identify and read a wide range of standard commonly-used symbologies as well as special symbologies. EasyBarCode automatically locates the bar code symbol in the image and supports code rotation. Moreover for prototyping or special cases, an advanced manual location mode is also available.

Supported barcode symbologies

- Codabar, Code 128, Code 25 Interleaved
- Code 39, EAN 128, EAN 13
- MSI, UPC A, UPC E
- Binary Code, Code ABC Anker, Code BC 412, Code 11, Code 25 (DataLogic, Matrix, IATA, Industry, Compressed, Inverted)
- Code 32, Code 39 Extended Reduced, Code 93, Code 93 Extended, Code BCD Matrix, Code CIP, Code STK
- EAN 8, IBM Delta Distance A, Plessey, Telepen

Choose the most suitable Licensing System

- Open eVision Dongle-based Licenses: Dongle-based Licenses offer the flexibility to be transferred from a PC to another. To purchase a Dongle-based License, select one of the Euresys dongles (USB or Parallel) plus the license(s) to be stored on this dongle. Licenses are delivered as activation codes, which are stored on the dongles.
- Open eVision Software-based Licenses: Software-based licenses do not require any dongle, they are linked to the PC on which they have been activated. Licenses are delivered as activation codes and can be managed online.

Applications

MACHINE VISION FOR THE GENERAL MANUFACTURING INDUSTRIES

Product identification for traceability

Code quality verification

For label printing machines.

MACHINE VISION FOR THE PRINTING INDUSTRY

Label and packaging inspection: Inspection of the quality of the printing of characters and codes

Specifications

Software

Host PC Operating System

- Open eVision is a set of 32-bit and 64-bit libraries that require a processor compatible with the SSE2 instruction set.
- Open eVision can be used on the following operating systems:
 - Windows 10, 8 and 7 (32- and 64-bits)
 - Windows Vista 32-bits Service Pack 1
 - Windows XP 32-bits Service Pack 3
 - Windows Server 2008 32-bits
 - Windows Server 2008 R2 64-bits
 - Windows Server 2003 32-bit Service Pack 1
 - Windows Embedded Standard 2009 32-bits
- The Open eVision installer does not allow installation on virtual machines.
- Minimum requirements:
 - Display size: 800 x 600. 1280 x 1024 recommended.
 - Color depth: 16 bits. 32 bits recommended.
 - Between 20 MB and 300 MB free hard disk space for libraries, depending on selected options.
 - Between 60 MB and 400 MB free hard disk space for development tools, depending on selected options.

APIs

Supported Integrated Development Environments and Programming Languages:

- Microsoft Visual Studio 6.0 SP6 (C++, Basic)
 - Microsoft Visual Studio .NET 2003 SP1 (C++)
 - Microsoft Visual Studio 2005 SP1 (C++, C#, VB .NET, C++/CLI)
 - Microsoft Visual Studio 2008 SP1 (C++, C#, VB .NET, C++/CLI)
 - Microsoft Visual Studio 2010 (C++, C#, VB .NET, C++/CLI)
 - Microsoft Visual Studio 2012 (C++, C#, VB .NET, C++/CLI)
 - Microsoft Visual Studio 2013 (C++, C#, VB .NET, C++/CLI)
 - Borland C++ Builder 6.0 update 4 (C++)
 - CodeGear C++ Builder 2009 (C++)
 - CodeGear Delphi 2009 (Object Pascal)
 - Embarcadero RAD Studio XE4 (C++, Object Pascal)
 - Embarcadero RAD Studio XE5 (C++, Object Pascal)
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Ordering Information

Product code - Description

- 4010 - EasyBarCode for USB dongle
 - 4060 - EasyBarCode for PAR dongle
 - 4110 - EasyBarCode for board licensing
 - 4160 - Open EasyBarCode for USB dongle
 - 4210 - Open EasyBarCode for PAR dongle
 - 4260 - Open EasyBarCode for soft-based licensing
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