OPEN eVision 1.2 IS A RICH SUITE OF RELIABLE, POWERFUL AND FLEXIBLE SOFTWARE TOOLS DEDICATED TO IMAGE PROCESSING AND ANALYSIS. OPEN eVision CONTAINS A SET OF 64-BIT AND 32-BIT LIBRARIES DESIGNED TO BE INTEGRATED INTO YOUR C++, .NET OR ActiveX APPLICATION. THE GENERAL PURPOSE LIBRARIES, EASYIMAGE, EASYCOLOR, EASYOBJECT, EASYMATCH, EASYFIND AND EASYGAUGE COVER APPLICATIONS SUCH AS IMAGE FILTERING AND ENHANCEMENT, BLOB ANALYSIS, PATTERN MATCHING, ALIGNMENT AND METROLOGY. THE MARK INSPECTION LIBRARIES, EASYOCV, EASYOCR, EASYBARCODE AND EASYMATRIXCODE, INCLUDE FUNCTIONS FOR OPTICAL CHARACTER RECOGNITION, CHARACTER PRINTING INSPECTION AND 1D / 2D BARCODE READING.
REGIONS OF INTEREST AND FLEXIBLE MASKS

The processing speed of an image can be accelerated by focusing on a specific region of the image (Region of Interest) avoiding interferences from the remainder of the image. The number of pixels to consider is then reduced. The processing of all Open eVision functions can be restricted to a Region of Interest (ROI). Open eVision supports nested rectangular ROIs, which are organized in a hierarchical way in each image. To add flexibility to the shape of the ROI, Open eVision supports Flexible Masks for selected functions of the EasyObject and EasyImage libraries. A mask represents a two-class segmentation of pixels which separates the associated image in do-care areas (that must be considered) and don’t-care areas (that should not be considered). Flexible masks support complex and disconnected shapes.

COMPATIBLE WITH

- Windows® x86 processor architecture
- A wide variety of programming languages and development environments
- eVision 6.7.1 and open eVision 1.0 C++ and ActiveX APIs

OPEN TO ALL IMAGE SOURCES

The Open eVision libraries do not rely on any proprietary hardware device to run. They are able to process images available in the host memory, whatever their origin. The images to be processed may come from a frame grabber, a scanner file, or IEEE1394 (Firewire), GigE Vision or USB cameras. Color and monochrome images are supported.

ORDERING INFORMATION

An Open eVision customer is free to choose among a large choice of products the most suitable and attractive offer for his application. Libraries can be purchased individually, in a bundle or in a SDK. No development license are required!

- Open eVision Inspection bundle: EasyImage, EasyColor, EasyObject, EasyMatch and EasyGauge
- Open eVision Mark Inspection bundle: EasyOCR, EasyOCV, EasyBarCode and EasyMatrixCode
- Open eVision SDK: Open eVision Studio, EasyImage, EasyColor, EasyObject, EasyMatch, EasyFind, EasyGauge, EasyOCR, EasyOCV, EasyBarCode and EasyMatrixCode

Learn more about the licensing and ordering information on Euresys web site.