

Open eVision™

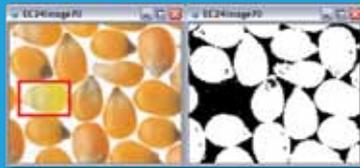
Image Analysis Software Tools

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.



EasyImage™ Image Processing Library

Convolution and morphology | Geometric transformations | Image statistics | 16-bit accuracy processing | Flexible masks | Interest point detectors



EasyColor™ Color Image Analysis Library

Fast conversion to 11 color spaces | Color segmentation | Color verification



EasyObject™ Image Processing Library

Image segmentation | Object labeling | Geometric feature extraction | High performance, especially for large images and images with numerous objects | Flexible masks

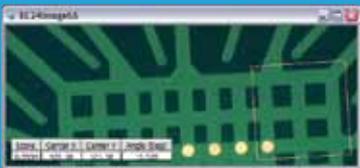
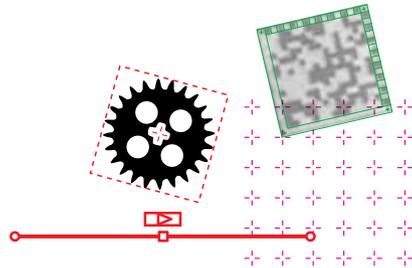
EASY TO LEARN AND USE

ROBUST, FLEXIBLE AND POWERFUL

ACCURATE: SUB-PIXEL MEASUREMENT AND CALIBRATION

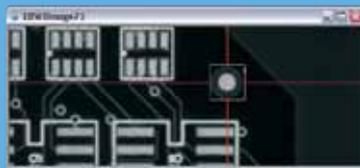
THREAD-SAFE

COME WITH OPEN eVision EVAL TO TAKE FIRST STEPS IN OPEN eVision - DIDACTICAL QUICK START TUTORIALS



EasyMatch™ Pattern Matching Library

Normalized correlation method | Sub-pixel accuracy | Rotation and scaling support | Multiple pattern occurrences | Gray-level and color images support | Non-square pixels management | Don't care areas



EasyFind™ Geometric Pattern Matching Library

Feature point technology | Fully automatic, fast and robust | Rotation and scaling invariant | High tolerance to pattern degradation | Don't care areas | User-defined pivot point | Fast processing and improved robustness



EasyGauge™ Sub-pixel Measurement and Dimension Control Library

Sub-pixel point location and edge fitting | Highly accurate and robust | Position, orientation, size, curvature, distances | Advanced and automatic calibration | Multiple gauge models | Gauge Grouping | Graphical model edition

