



SCORPION VISION SOFTWARE®

SCORPION VISIONX

The VisionX is a complete software component for adding image processing and camera support to any windows application.

The component contains the following elements:

- *Scorpion Image Processing*
- *DirectX interface to Windows cameras*
- *Camera Viewer with zoom, measurement, save and overlay graphics*
- *Python Scripting Engine*

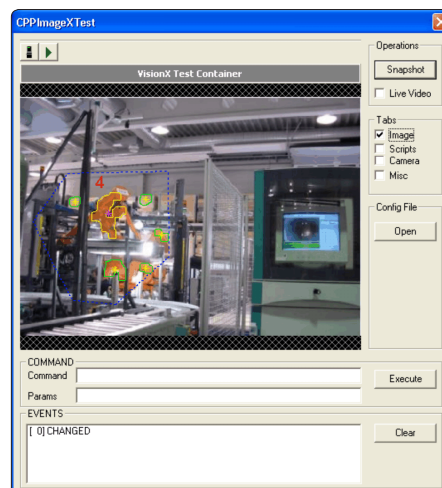
The component is designed for OEMs that need to integrate advanced and robust image processing into their applications.

DEVELOP IMAGE PROCESSING WITH SCORPION VISIONX SDK

The image processing is developed and maintained in Scorpion without any programming. The Scorpion VisionX SDK contains functions to implement, verify and maintain - export and import - the VisionX toolbox. The combination of component technology, the robust and easy to use Scorpion Tools and Python Scripting makes VisionX extremely powerful and efficient. Advanced image processing is added to any windows application in hours.

VISIONX TEST CONTAINER

The VisionX Test Container is used to configure, test and verify the VisionX solution before you add the component to your own application.



VisionX test container

SCORPION VISIONX VERSIONS

The Scorpion VisionX are licenced in the same versions as Scorpion Vision Software:

- CaptureX – image capture and viewer
- LiteX – for simple vision tasks
- BasicX – for basic assembly verification
- StandardX – for advanced tasks, robot vision and high precision gauging

More information about toolbox content in the different versions are contained in the Scorpion Vision Software Product Data sheet.

SUPPORTS DIRECTX AND STANDARD WINDOWS CAMERAS

With the FireGrab interface, VisionX supports all IIDC compliant firewire cameras through Unibrains generic drivers.

Advanced features like hardware triggering, non continuous video streams, dynamic shutter, direct register access, raw colour format and mode-7 are supported.

In addition to firewire, VisionX also supports Windows Cameras connected using USB or USB2 complying with the DirectX specification.

Firewire cameras from the following vendors are supported:

- | | |
|------------------------|--------------------|
| <i>ADS</i> | <i>OrangeMicro</i> |
| <i>Allied Vision</i> | <i>PixeLink</i> |
| <i>Basler Vision</i> | <i>PointGrey</i> |
| <i>Baumer Optronic</i> | <i>Sony</i> |
| <i>Hamamatsu</i> | <i>Teli</i> |
| <i>Imaging Source</i> | <i>Unibrain</i> |
| <i>JVC</i> | <i>Victor</i> |
| <i>MicroPix</i> | |

MULTIPLE CAMERA SUPPORT

Multiple cameras are supported by adding instances of the VisionX component. The components can be added to one or more applications.

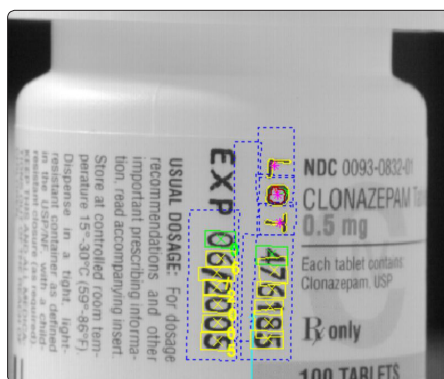




APPLICATION AREAS

The applications areas for VisionX is unlimited:

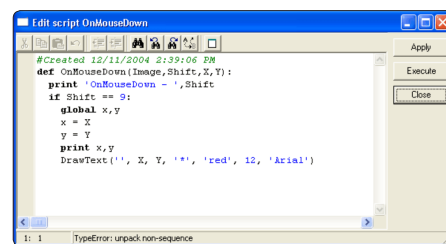
- Color Identification
- Assembly Verification
- Barcode Reading
- High precision gauging
- Label Verification and more



VisionX can be used for OCR, OCV and label verification.

PYTHON SCRIPTING ENGINE

The integrated script engine allows the user to communicate with the container application, save images, respond to mouse clicks, calibrate the system to work in physical coordinates and to communicate with other computer systems using rs-232 and tcp/ip.



Script handling the OnMouseDown event.

SCORPION VISION SOFTWARE CD

VisionX is distributed on the Scorpion Vision Software® CD. The CD has the following contents: Scorpion Vision Software setup program, VisionX setup program, demonstration profiles, camera drivers, and documentation and support programs.



TECHNICAL DATA

Operating System

- Windows 2000 / Windows XP

Minimum Requirements

- Intel Pentium III 400 MHz
- 128 MB of RAM
- 10 MB free hard drive space

Language Support

- English

Development Platforms

- Borland Delphi
- Borland C++
- MS Visual Basic
- MS Visual Basic .Net
- MS Visual Studio

For image processing capabilities and camera support, please refer to the Scorpion Vision Software Product Data.

For prices, ordering or more information please contact:

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