

SCORPION COLOR IDENTIFICATION VISION APP

SCOPE

The app is used to identify the color of any object or area.

The Scorpion Vision App turns the Smart Camera from Sony into a complete vision solution.

APP FEATURES

Scorpion Vision Apps define a completely new entry level in Machine Vision designed for Scorpion Vision Integration and Scorpion Vision OEM.

COMMON FEATURES FOR SCORPION VISION APPS

- Internet Download
- Internet Upgrade
- Deployment with Scorpion Installer
- Based on proven Scorpion Vision Framework
- Licensed to the camera
- Development with Scorpion SDK
- OEM Development upon request
- Multiple Scorpion Vision Apps can run on a single computer



 **Scorpion Vision Products**

Product no.
SVA-2011-0008-ColorIdentification

SPECIFICATION

The Scorpion Color Identification Vision App is easy to use. It has a simple operator screen, and is easy to configure without machine vision knowledge.

The app can do the following:

- Identify the color of an object or an area
- The ROI (region Of Interest) is user defined
- Any number of color class can be defined
- The color classes are defined by the following
 - multiple color references
 - name of color
 - index of color
- Fast with 30 to 100 classifications per second
- User defined coordinate system
- Configurable IO with RS-232 and TCP/IP



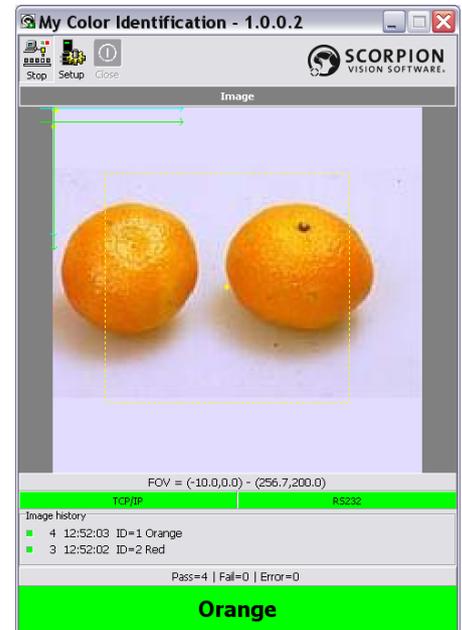
The app runs on Smart Cameras from Sony.

APPLICATION AREAS

The Vision App is designed to be used in:

- Color Identification

The Vision App is easy to deploy and to get working with the Scorpion Mono Stinger camera from Tordivel AS.



Scorpion Color Identification Vision App User Interface

CONFIGURATION

The configuration Settings panels are password protected accessible via the Setup button. The panels are easy to use and understand.

GENERAL

The Apps General panel gives information about the vendor. The application name can be defined in this panel.

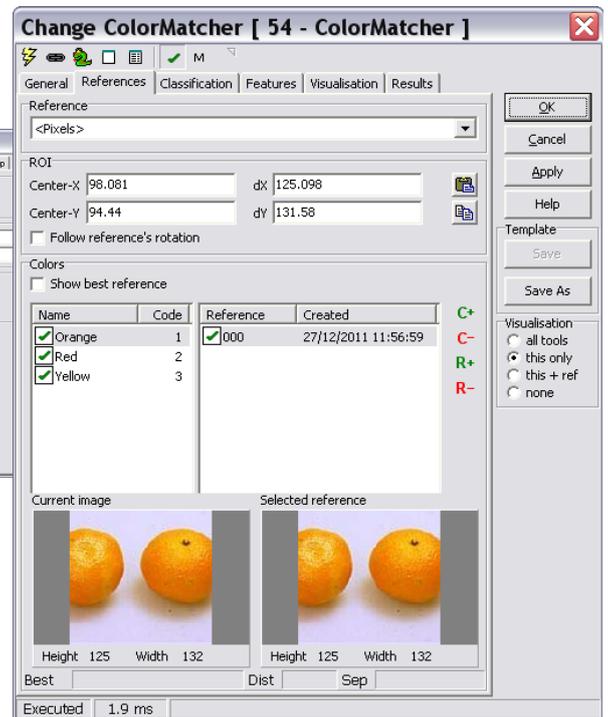


The App General Settings

SETTINGS - COLOR MATCHER

This panel defines the core image processing setup of the App. Press the Color Matcher button to open the Change ColorMatcher configuration panel.

The ColorMatcher is defined to find the closest color to an area of a color image. The user can define colors and a set of reference images to each color. It is easy to verify the color of an object with the matcher.



SCORPION INSTALLER

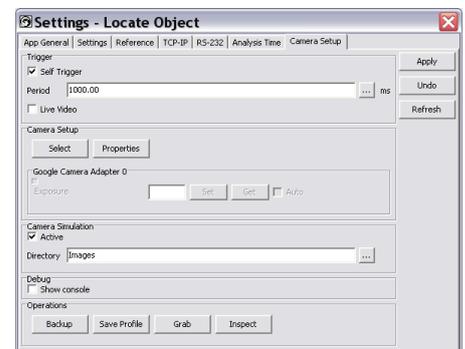
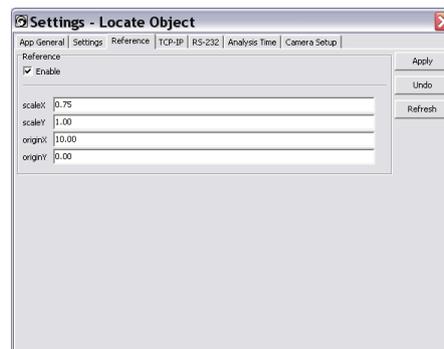
The Scorpion Vision Installer manage the Vision Apps installation. The Installer installs first the complete Scorpion Vision Framework and provides tutorials to learn more about Scorpion Vision and Vision Apps.

The Scorpion Vision Apps are downloaded, installed and updated from the Scorpion Server over the Internet.



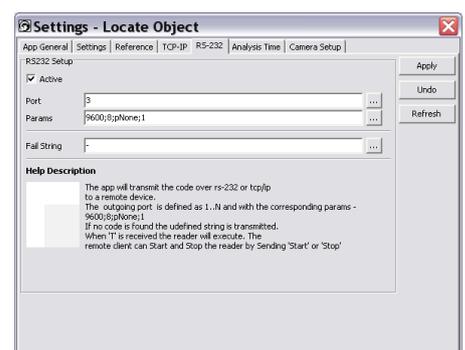
REFERENCE

The reference system is user defined with a default pixel reference system.



TCP/IP OR RS-232

The App transmits the object location over RS-232 or/and TCP/IP to any host system. The configuration below shows the options for the RS-232 connection.



For more information:

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The app specification is subject to change without further notice.

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CAMERA SETUP

The camera settings are managed over a specific interface for the Smart Camera from Sony. The Scorpion Vision App supports internal, hardware and command based triggering over RS-232 or TCP/IP.

To verify the App Setup, offline camera simulation mode is available. All camera properties are managed from the Camera Setup panel.