

EYESPECTOR® series:

EyeSpector® 900	640x480 pixel
EyeSpector® 1000	640x480 pixel
EyeSpector® 1000c	640x480 pixel
EyeSpector® 1200	1024x768 pixel
EyeSpector® 1200c	1024x768 pixel
EyeSpector® 2000	640x480 pixel
Video out	
EyeSpector® 2100	782x582 pixel
Video out	
EyeSpector® 2100c	782x582 pixel
optional	
EyeSpector® 2200	1024x768 pixel
Video out	
EyeSpector® 2300	1280x1024 pixel
Video out	
EyeSpector® 4200	1024x768 pixel
Video out	
EyeSpector® 4300	1280x1024 pixel
Video out	
EyeSpector® 4400	1600x1200 pixel
Video out	
EyeSpector® 4800	640x480 pixel
Video out	
EyeSpector® 1002L	2048x1 pixel
CMOS Linesensor	

www.EyeSpector.com

EYESPECTOR®
powered by EVT & VC



EYESPECTOR is the exclusive result of the latest cooperation between **EVT GmbH** and **Vision Components GmbH**. A new generation of a smart machine vision system has been developed based on **EVT's** well approved Vision Software Technology **EYEVISION** and on the successful Smart Camera hardware provided by Vision Components.

Of course, the system meets the latest technical's tandards, setting new benchmarks for a smart machine vision package at the sametime. The **EYESPECTOR** machine vision system features an enormously powerful and intuitive interpreter.

The extreme user-friendliness is particularly noticeable in the easy setup procedures. To setup an inspection the user can simply drag-and-drop handy test commands into a table via the network, significantly reducing implementation time at the machine. In general, **EYESPECTOR** enables you to solve even the most demanding machine vision tasks without programming just after a few hours of training.

To be able to adapt applications to the customers' needs, five different **EYESPECTOR** software options are available: Basic, Standard, Color, Line and Professional. The Professional version contains more advanced functions, among others a tool chain feature.

A series of **EYESPECTOR** models are available, including three color and one line scan models. **EYESPECTOR** is an extremely fast and compact machine vision system with a computing power of up to 8000 MIPS.

Image resolution goes as high as 2 mega pixels and image capture rates as fast as 242 full frames per second (640 x 480).

The compact **EYESPECTOR** systems are built for industrial use and are insensitive to vibrations and shocks.

Technical Data

EYESPECTOR VISION SENSORS ARE EQUIPPED WITH:

- SONY CCD-SENSORS (EXCEPT 1002L AND 4800)
- HIGH SPEED TRIGGER
- IMAGE CAPTURE UP TO 242 FPS
- PROGRAMMABLE GAIN
- TI C64 DSP 3200 - 8000 MIPS
- 32 OR 64 MB SDRAM
- 4 MB FLASH
- 4 INPUTS / 4 OUTPUTS (DIGITAL, 24V)
- 100 MBit ETHERNET /TCP/IP
- RS232
- SUPPORT FOR TI DSP BASED VC SMART CAMERA PLATFORM

OPTIONAL:

- SD-CARD UP TO 1 GB
- DIRECT VIDEO OUTPUT
- CUSTOM USER INTERFACE FOR OEMs
- IPXX CAMERA HOUSING
- STAINLESS STEEL HOUSING



Capture
Image



Brightness
Correction



Calibration



Count
Objects



Process
Control



Colour
Control



Reading
Bar Code



Correlation



Calliper



Detect
Edge