

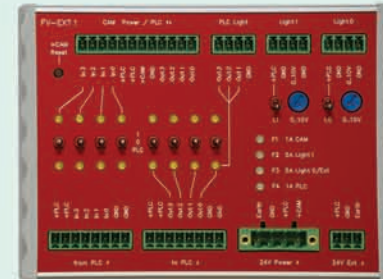
## Caminax® Types

Type	612 S	812 C	632	680	1032	1080
Processor (MIPS)	1200		3200	8000	3200	8000
Sensor	1/3"-Sony 640x480 Grayscale CCD	1/2"-Sony 782x582 Color CCD	1/3"-Sony 640x480 Grayscale CCD	1/3"-Sony 640x480 Grayscale CCD	1/3"-Sony 1024x768 Grayscale CCD	1/3"-Sony 1024x768 Grayscale CCD
Image Size	588x476 Pixel		636x480 Pixel		952x768 Pixel	
Image Acquisition	25 Hz	10 Hz	52 Hz		20 Hz	
Digital I/O	4 IN / 4 OUT					
Interface	Keypad RS232	Keypad 100 MBit Ethernet				
Video Output	SVGA 800x600			SXGA 1280x1024		
Power Supply	24 V DC					
Program Selection	RS232 PLC	Ethernet PLC				



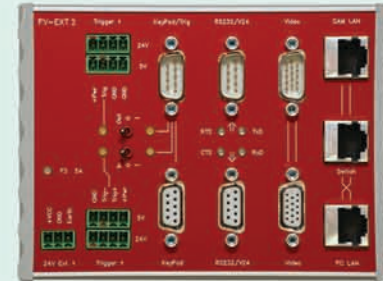
## Accessories

We provide the accessories needed to use our products, too. You will receive a thought through one stop solution. Besides of **optics** and **lightning** FiberVision supplies useful tools for electric integration into your facilities.



Break-Out Module FV-EXT1

Break-Out Module FV-EXT2



FIBERVISION

Distributed by:

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# Caminax®

## Intelligent Image Processing

The Smart Vision System



A Product by  
FIBERVISION

## Easy to Use

### No PC Required...

Caminax is a real Smart Camera. While being compact as a sensor it is operated without any PC. Caminax isn't just autonomous during operation in production – It is a stand alone system during set-up, too. Caminax comes with an own graphical user interface. The test task is configured right in the assembly line using just a keypad and a standard VGA video display. The configuration is easily and intuitively due to the well thought out graphical interface. Neither script codes, nor program lines are needed for Caminax application. Caminax makes machine vision easier than ever.

### ... and no Notepad!

Keep your notepad in the office to configure Caminax in the assembly line. Multi color overlays visualize all settings relevant to you. Caminax supports configuration changes while going on with inspection. Caminax outputs eight different languages. They may be switched during operation.

## Start Right Away

### Keypad, Monitor, 24V – Let's go

Caminax newcomers will be familiar with the system very soon due to easy usage. Just connect a 24 Volt DC power supply, a VGA video display and the keypad to take Caminax into operation for the first time. There is no software to be installed, no licence codes to be typed in and no software updates to be downloaded. Caminax is ready to use right from the start.

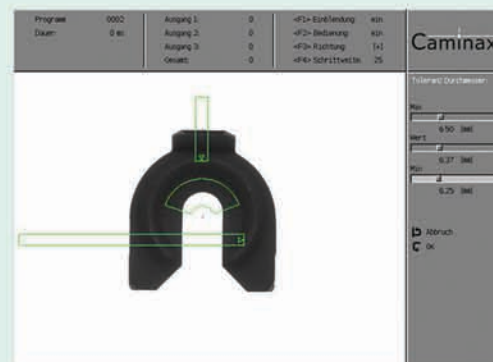
### Power on and Run

Once the inspection task has been configured and saved, Caminax is ready for inspection right after the power supply is switched on.



### Caminax – The Universal Vision System:

- Powerful algorithms with subpixel accuracy
- Configuration of complex geometries for regions of interest (ROIs)
- Choice of different test tasks using PLC
- Automatic tracking of inspection areas adapted to actual product position
- Integration of color tests available



## Powerful as a PC

### Large and Clear Displays

You will get a large image of even small products with Caminax. Just connect a standard VGA video display.

### The Measurement Technique Expert

Caminax features a C-Mount lens adapter like most of PC based camera systems. Thus, Caminax benefits from the huge range of lenses for industrial use. High grade telecentric lenses turn Caminax into precise measurement tool for lengths, diameters and distances. The Caminax output will be in the measurement unit of your choice thanks to its calibration function. Not only microns, millimeters and meters are used for tolerances and results, inches and yards are available, too.

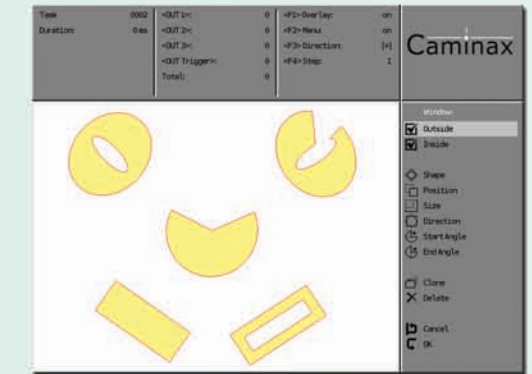
## Reliable as a Sensor

### Compact and Robust

Caminax is the space saving tool for rough operational environments. Caminax can be powered off at any time. Boot problems after an unexpected power loss do not exist for Caminax. Caminax combines camera and evaluation computer into one compact housing.

### Cost-Saving

Cooled cabinets, blocked fan filters and defect hard disk drives do not exist in the Caminax world. Caminax stands for highest reliability, low space requirements and minimal operational costs – just like you are used to from sensors systems.



### Caminax – Full Computation Power

The calculation power of Caminax challenges modern PC processors. Caminax is based upon fastest Smart Camera series worldwide.

### PLC-Interface by Ethernet

Caminax comes with an Ethernet- or a serial interface. These standards are well known from PC based systems. The interfaces allow to transfer data and images to host computers. Direct position data exchange is possible with PLCs or robots.

