

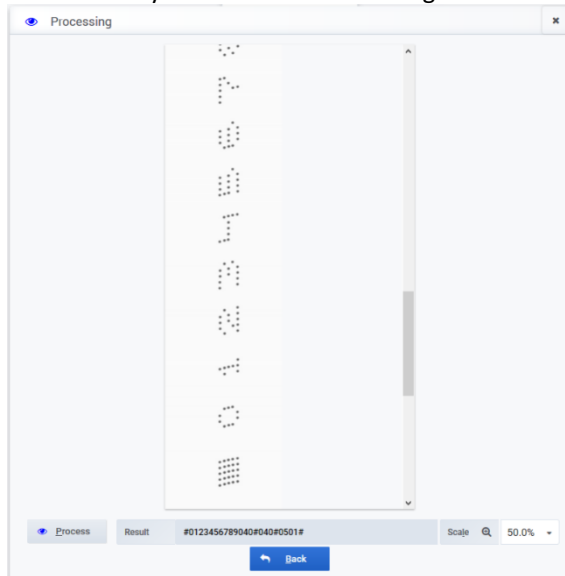
VisionDevice FCR – Your Personal Embedded Industrial Vision Sensor



**Reading codes on different kinds of fast moving material is becoming more and more important.
The FastCodeReader reads codes of 8 mm height at 800 m/min: speed/height = 100 000 / min**

The optimized illumination ensures highest contrast ratios independent if transparent, matte or glossy material is used.

The image processing is performed inside the VisionDevice and programmed exactly to the project's requirement for maximum usability. No extra and no missing functionalities allows a fast understanding of how to use the VisionDevice.



IMAGO's programming is open to adding features later on and modifying the C++ code by IMAGO or customers. Halcon Embedded ensures easy functionality updates using its graphical setup tool and scripts.

The web interface allows easy access to the VisionDevice, in different levels for users & administrators for monitoring and setup purposes.

Finally, the data output corresponds to the requirements of the device, machine or facility. Digital outputs are available for real-time functionality, while information can be exchanged via Ethernet.

Now it's time to rethink your application to integrate everything into an embedded vision system

Technical Details:

Programmable Line Scan Camera

Monochrome 2048 pixel CMOS- Sensor
ARM Dual-Cortex-A15 Processor (2 x 1.5 GHz)
1 GB SDRAM & 32 GB μ SD-card

Software Installation

Line scan based code reader programming
Software interface to PLC / control unit

Optics

C-Mount lens
Continuous dark field illumination with LED
Continuous brightfield illumination with LEDs and diffusor

Metal housing

Robust
Protection windows
Mounting threads

Interfaces

Ethernet 1000 Mbit/s
Encoder Interface RS-422
I/Os
For 24 VDC



Dimensions

Normalised Detail View:

