VC4002L

The VC4002L is an extremely fast intelligent Line Scan camera and on of the fastest Smart Cameras all over with computational power of 3200 MIPS. rivalling a 2.6 GHZ Pentium. It has 32 MB DRAM, 4 MB Flash EPROM for program and data storage. The maximum line frequency is 11 kHz!

The own internal operating system ''VCRT'' of the VC4002L is multitasking. This means that multiple processes can be executed in parallel.

Three different integration modes are supported by this innovative camera:

- In the free-running mode a maximum scan rate of 11 kHz is possible

- The camera can be triggered externally while having a constant integration time. The maximum scan rate in this mode is 5.5 kHz.

- The third mode allows variable integration time that is determined by the incoming signal of an external trigger. In this mode the maximum scan rate goes up to 11 kHz.

The VC4002L offers thus an extremely inexpensive entrance into the world of the high performance intelligent line scan cameras.

All Vision Components cameras are built for industrial applications. They are insensitive to shock and vibration, and have multiple I/O lines for direct control of external equipment. For more complex control tasks, they can easily be interfaced to a PLC.

Specifications	VC4002L
Sensor:	CMOS
Resolution:	2048
Lens thread:	C Mount
Pixel size:	7µm x 7µm
Integration times:	Min.: 90,9 µsec Max: bis zu 130 msec
Maximum scan rate:	11 kHz
Integration:	Asynchron, Programm kontrollierte oder externe Triggerung
A/D conversion:	1 x 25 MHz / 10 Bit
Processor:	3200 MIPS, 400 MHz Texas Instruments TMS320C64xx
Image/Data memory:	32 MBytes SDRAM
Flash memory:	4 MBytes Flash EPROM (nicht flüchtiger Speicher) für Programme und Daten, im System programmierbar
Dig. I/O's:	4 Eingänge / 4 Ausgänge optoentkoppelt 24V, Ausgänge 4 x 400mA, 1 Bildtriggereingang, 1 Blitztrigerausgang
Interfaces:	Ethernet 100 MBit TCP/IP **UND** RS232, 115200 Baud max.
Supply voltage:	24V +/-20% DC, max. 300 mA
Electrical connections:	I/O (DC IN, PLC, 12-pin), V24/Trig (6-pin), LAN (6-pin),
Dimensions:	ca. 90 x 50 x 35 mm, ca. 250 gr

(No liability is assumed for possible errors!)

Vision Components
The Smart Camera People

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