



VisiCube

VISICUBE

The **VisiCube** is an extremely fast intelligent compact camera and one of the fastest intelligent cameras all over with a 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. It can acquire full frame 640 x 480 pixel at 32 frames per second!

The scan lighting consists of eight integrated LEDs (6x white light, 2x red lights). The integrated lens which is directly adjustable at the sensor is available with a focal length from 6 mm or 12 mm. A robust aluminum and plastic housing provides IP 65/67 protection, making **VisiCube** units suitable for rugged environments.

The own internal operating system "VCRT" of the **VisiCube** is multitasking. This means that multiple processes can be executed in parallel. The **VisiCube** has a video output onto a PC via 100 Mbit Ethernet interface.

The **VisiCube** offers thus an extremely inexpensive entrance into the world of the high performance intelligent cameras.

All Vision Components Smart 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	VISICUBE
SENSOR	1/4", 640 (H) x 480 (V) pixels
SHUTTER	high-speed: up to 36.2 μ s low-speed: up to 62.4 s adjustable integration time
INTEGRATION	progressive scan
FRAME RATE	32 fps
ACQUISITION	asynchronous, program controlled or external trigger, full frame
A/D CONVERSION	1 x 12,5 MHz / 10 bit
PROCESSOR	3200 MIPS, 400 MHz Texas Instruments TMS320C64xx
IMAGE/ DATA MEMORY	32 MB SDRAM
FLASH MEMORY	4 MB Flash EPROM (non volatile memory) for programs and data, programmable in the system
DIG. I/O'S	2 inputs / 4 outputs optically decoupled 24 V, outputs 4 x 400mA
INTERFACES	Ethernet 100 Mbit TCP/IP AND RS422
VIDEO OUTPUT	100 Mbit, via Ethernet on PC
SUPPLY VOLTAGE	24V +/-20 % DC, max. 200 mA
ELECTRICAL CONNECTIONS	Plug M12, 8 poles, Ethernet M12, 8 poles, process M12, 5 poles
PROTECTIVE SYSTEM	IP 65/67
DIMENSIONS	approx. 65 x 45 x 45 mm, approx. 170 g

No liability is assumed for possible errors!