

AOS vision processor VISP V10

- Compact, rugged Industrial PC for vision applications
- Fanless design for dusty and other harsh environments
- Multiple Firewire- and USB2.0 interfaces
- Wide range of options available



AOS Vision Processor VISP V10 with PIXIE camera

Machine vision technology is in use today on factory floors around the world in applications such as clean room pharmaceutical packaging, dirty metal parts fabrication, agricultural product inspection and similar fields in other harsh environments. Few machine vision processors meet all the environmental demands of the real world.

Welcome to our world!

AOS Technologies VISP vision processors are designed to meet factory-floor machine vision applications over the broadest range of operating environments. Manufactured to state-of-the-art microelectronics specifications, VISP vision processors offer maximum versatility and Pentium M performance in a compact, robust, fanless housing. Machine vision systems require dependable hardware. Ruggedly built to ensure reliability in every situation, you can count on AOS Technologies VISP vision processors to provide years of consistently superior performance.

Benefits

- **PC in a dust and fanless housing:** Largely unaffected by environmental influences – for reliable operation, long life and **no maintenance** costs.
- **Processes data on the spot:** A fully autonomous system that processes your image data at the camera location.
- **Cost-efficient:** No expensive development system required – **development and target system in one unit.** Installed systems can be easily upgraded.
- **Reliable:** VISP vision processors have a **proven record** of success in demanding, everyday and extreme industrial environments.



Imaging for smart decisions

VISP specifications

Processor	Low Power Embedded Pentium-M CPU, 1.4GHz 32kB L1 Instruction Cache, 32kB L1 Data Cache, 2MB L2 Cache
BIOS	MPL engineered BIOS (General Software)
RAM	On board ECC protected 512MB (DDR), optionally up to 1.5GB
Operating systems	Windows 98, ME, NT, 2000, XP, Embedded NT, CE Linux
Mainboard interfaces	1 x 10BaseT / 100BaseTX / 1000 BaseTX Ethernet 2 x USB2.0 3 x Firewire IEEE1394b 2 x RS232 or RS422/485 2 x E-IDE ports 2 x SATA ports 2 x PS/2 (keyboard, mouse) Other / more / less interfaces and ports on request
Graphic	Digital-Video on DVI-I: max. 1600 x 1200 Analog-Video on DVI-I: max. 2048 x 1536 LVDS ports: max. 1600 x 1200
Hard disk drive	3 x FireWire (IEEE1394b) and 3 x USB 2.0 interface standard Other / more / less interfaces and ports on request
Camera interface	12V DC, set-to-rec, trigger, synch in, remote on.
Digital, analog I/O	32-bit PC/104 interface (ISA)
Power supply	12 VDC, power consumption depends on configuration (typically 20W)
Dimensions & weight	270 x 162 x 62mm (L x W x H) 7 2.2 kg
Temperature, humidity	0° to +60°C, extended -40° to 75°C rel. humidity 10% to 90%, non condensing
Shock and vibration	Complies with EN60068-2-6 / EN 60068-2-27
EMC	Complies with relevant international standards, test data available
Options, expansion	PCMCIA slots Internal, external floppy drive Flash memory PCI slot Analog frame grabber Digital, analog I/O



Scale your VISP

Choose the processing power, operating system and options that meet your application demands. VISP is compatible with standard PC technology and all popular operating systems.

Please contact us for details of your local distributor.

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