Scorpion Compact Vision System
Scorpion Basic Plus

The Scorpion Basic Plus Compact Vision System is a cost effective, proven, robust and complete configurable multi-camera 2D machine vision system.

The system is perfect for low cost machine vision and is designed for OEM and System Integrators.

The Scorpion Basic Plus Compact Vision System package is perfect for
 • 2D Robot Vision
 • Assembly Verification
 • Sorting and Identification
 • Scorpion Image Sentinel
 • Scorpion Vision Apps

The Scorpion Basic Plus package consists of a rugged and reliable Scorpion Compact PC and a Scorpion Basic licence plus the TemplateFinder3 and Calibrator tools.

 • Real-time machine vision system
 • Connectivity to 1-4 cameras
 • Sub-pixel accuracy for location of object
 • Calibrator corrects lens distortion
 • No moving parts make it an robust and relaible industrial system
 • Digital IO and communication over rs-232 and tcp/ip
 • Ready to use Scorpion Vision Apps included in Package
 • Configure your solutions and apps with Scorpion Vision Software
 • Supported by free telephone support
 • Accurate 3D Calibration
 • Updates available over the Internet

The Scorpion Compact Vision System makes it easy to get started - all components are tested and fits together. Once you have powered the unit with 24 volt and connected the camera to the preinstalled Scorpion Vision Framewrok turns the system into a working solution.

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The Scorpion Basic software combined with a compact PC gives you a compact and cost-effective solution.
Ideal for high precision gauging and 2D Robot Vision.

Scorpion Compact PC

The Scorpion Compact PC or the Scorpion Ultra Compact PC is certified for Scorpion Vision Software and is CE compliant accommodating three PCI/PCIe cards and a solid state disk.
More than that, it provides versatile I/O interfaces such as COM ports, USB ports, Gigabit Ethernet port, parallel port and mini-PCIe port, not to mention that the isolated DIO channels can be integrated optionally into this compact box.

Leveraging Intel® Atom™ D525 1.8GHz dual-core processor, it delivers adequate computing performance for most Industrial applications. On request other PC configurations are available.

Links
Scorpion Vision Apps
Scorpion Basic Datasheet
Compact PC Datasheet
tordivelblog.wordpress.com

Scorpion Basic™
Scorpion Basic™ is a product in the Scorpion Vision Software® family; an independent and open software tool for industrial vision. The unique rapid machine vision framework speeds up the development a factor of 10 compared to a standard library approach.

Scorpion Basic ™ suitable for factory automation.

Scorpion 2D Stinger Camera

One to four 2D Stinger Camera can be connected to a Scorpion Compact Vision System. The camera supports strobed white and IR illumination with the following resolutions:
 • VGA (640x480)
 • SXGA,(1.3 MP)
 • UXGA (2.0 MP)
 • 5.0 MP

The camera support includes advanced features like dynamic shutter, encoder control and hw-triggering.

Configurable IO support
Digital IO and communication over rs-232 and tcp/ip is supported.

For more information:

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