



SCORPION
VISION SOFTWARE®

Tordivel as
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3D EDUCATIONAL KIT SCORPION VISION SOFTWARE®

Tordivel AS is now offering the Scorpion Vision Software® 3D Educational Kit to colleges, high schools and universities.

Scorpion Vision Software® is an open and complete framework for 2D and 3D machine vision.

It is designed to be the most powerful and flexible tool to implement demanding tasks without any kind of programming.

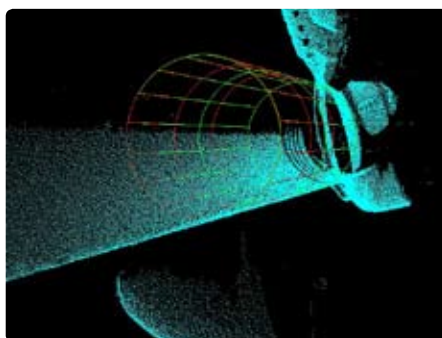
The system gives the user the choice of a small form factor with the Sony SmartCam or the power of a quad-core PC.

Important 3D features are:

- Integrated 3D Visualization and 3D Images - point cloud support
- Powerful 3D reference systems - intuitive, convenient and easy to use
- Seamless 3D integration enables high precision 3D measurement using 2D image processing tools
- Advanced PlaneFit3D and CylinderFit3D establish reference systems based on point clouds
- Stereo Vision using from 2 to 4 cameras or images
- 3D images and models can be created from laser grid, stripe light or laser profilers

3D modelling is available with the new option GCPS. The option enables Scorpion users to create high precision 3D models with a standard video projector and one camera. GCPS stands for Grey Coding and Phase Shift.

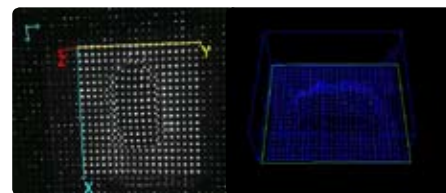
The new option makes 3D measurement, 3D robot vision, random bin picking and 3D assembly verification feasible for everyone.



Advanced cylinder fit in a point cloud from the Scorpion 3D Modeller.

CreatePointCloud is a tool that matches dots from a laser grid using polar geometry and optimal cross correlation.

Below a 19x19 laser grid pointing on a PC mouse. Using three camera stereo vision Scorpion creates a 3D model in 250 ms. The laser grid covers a 3D FOV of 140 x 140 x 80 mm with a resolution of 0.5 mm.



Real time 3D model of PC-mouse

FOR EVALUATION:

DOWNLOAD THE COMPLETE SOFTWARE AND A FREE DEMO LICENSE VALID FOR 30 DAYS FROM OUR WEB SITE OR ASK FOR A SCORPION CD.

THE 3D EDUCATIONAL KIT IS HEAVILY DISCOUNTED.
CONTACT US FOR PRICE. TYPE NO. 60-011

For ordering or more information please contact:

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INCLUDED IN THE 3D EDUCATIONAL KIT		Type no.
1	Scorpion Standard License for 4 cameras	10-030
1	3D Add on	10-095
1	Scorpion Vision Software Maintenance Contract	10-098
	Option: GCPS 3D Modelling	10-096

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