

# What is Machine Vision?

Machine Vision replaces or complements manual inspection and measurement tasks using the latest digital imaging technology.

What our cameras will do for you:

## Measure

- Length, Width, Height
- Area, Volume, Size
- Number of objects



## Locate

- Presence
- Position [x,y], [x,y,z]



## Inspect

- Correct assembly
- Shape



## Identify

- Symbols
- Patterns



Machine Vision solutions by SICK IVP save money by:

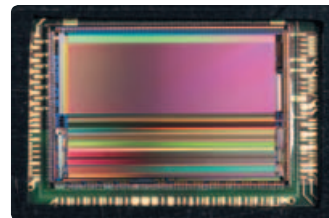
- Improving product quality
- Improving production yield
- Reducing cost of manual inspection
- Using one camera instead of complex sensor arrangements
- Increasing customer satisfaction

- ▶ Our machine vision cameras identify defective products before they reach your customer



Top Performance

The unsurpassed speed and performance is a result of SICK IVP's patented CMOS sensor technology. The powerful image processor integrated on the sensor chip allows for extremely fast image processing.

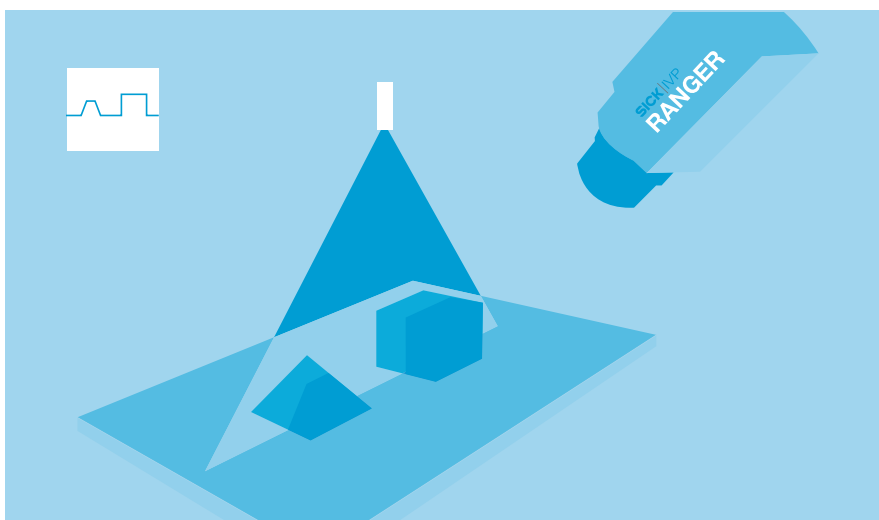


Industrial Robustness

Our Vision Cameras are built for industrial environment. Every detail, from camera housings to cable connectors, are carefully designed with SICK's long time experience of industrial sensors for factory automation.

Getting the Third Dimension

Our 3D products are based on laser line triangulation, a very robust way of gathering height information.



2D & 3D Cameras

Some applications are best solved by 3D and some by 2D. Of course we offer both types to give you the optimal solution!

<p>Grey scale image from a 2D camera</p>	<p><b>What is the difference?</b></p> <p>Which connector pin is too low?</p> <p>Which bracket is on top?</p> <p>Which of them has a bad print?</p>	<p>3D image where height is represented as intensity</p>
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