



## Robust inspection of light-absorbing parts

IVC-3D 100, Class IIIb / 3B smart camera

**Dark features on dark background – where other inspection systems reach their limits, the IVC-3D smart camera provides fast and precise results.**

IVC-3D has until now only been available equipped with a Class II / 2M laser. In some cases, where the objects are very dark, the 2M laser intensity has not been enough to produce good-quality 3D images.

SICK therefore presents IVC-3D 100 with a high-power Class IIIb / 3B laser able to provide solutions also for very dark parts or surfaces.

This new variant of IVC-3D 100 has a laser with about 5 times the power of the standard 2M laser, but is in all other aspects the same as the standard IVC-3D 100.

With included tools for inspection, robot guiding, measuring and identification IVC-3D is now an even more powerful success factor when optimizing your production quality.

### Advanced 3D vision made easy!

IVC-3D was the first 3D smart camera available, and still keeps its market leading position. It is factory-calibrated and self-contained, combining imaging, lighting and analysis into one robust camera housing.

The third dimension is created by laser triangulation: A 3D image is created as the object moves under a laser beam. Measuring in 3D provides information about object height, shape and volume, independent of contrast and color.

IVC-3D complements our 2D smart cameras by vastly expanding the number of solvable customer problems; When your application needs measurement or verification of non-flat features, a smart camera that sees height is preferable compared to 2D imaging.

IVC-3D smart cameras come in five different fields of view, enabling imaging of objects from the size of electronic components to whole pallets.



#### Benefits of high-power laser IVC-3D variants

- : Enables robust solutions also when the object or surface is very dark or light-absorbing
- : Enables faster profile rate
- : Increases ambient light robustness