

SC6000 series AI smart camera new product released

Integrated, multi-color lighting, high speed, high flexibility!

Hikrobot's smart camera family has added the SC6000 series AI smart camera **with an integrated light source and lens** version. SC6000 is developed based on a high-performance embedded platform and has powerful AI capabilities. It has built-in VM algorithm and can freely use 140+ algorithm functions. It has powerful processing power while taking into account high ease of use and strong flexibility. With **autofocus and multi-color** lighting design, it provides users with a more advanced visual inspection system, which can be widely used in positioning, measurement, identification, and inspection in various industries, and other complex application scenarios, it is the best choice for single-camera vision systems.

Integrated, more versatile

SC6000 not only has rich algorithm tools and powerful AI computing power, but also made comprehensive improvements in light source design, camera imaging, etc. The **autofocus** is paired with **multi-color and multi-angle light sources**, making the product more adaptable to scenes and more flexible in application; The **HDR** function provides better image quality for visual inspection, and combined with the flexible and easy-to-use VM algorithm platform, it solves a series of visual needs for users from error-proofing verification to defect detection.



Multi-color light source, simple and easy to use

SC6000 integrates a powerful and flexible **multi-color (red/blue/green/white) and multi-angle light** source system, This solution can flexibly respond to complex and changing situations on site. You can change the color of the light source to obtain better results with just a click of a button. imaging effect, thereby providing more accurate detection for vision. **Multi-light automatic polling + image fusion** can further enhance image quality and meet lighting needs in different scenarios.



Actual light	Blue light	Red light	Green light
	Can effectively filter background interference	Can effectively filter background interference, Only the logo information is clearly presented	Can effectively filter background interference, Only character information is presented clearly

Rich accessories, flexible matching

In order to easily adapt to complex application scenarios in various industries, the SC6000 series provides **a variety of front cover accessories**, which are simple to disassemble and install, allowing users to quickly solve complex application scenarios such as reflection and uneven brightness, and reduce the difficulty of visual inspection.

Front Cover	Protective Cover	Light Uniform Cover
<ul style="list-style-type: none"> Transparent cover : suitable for most applications Polarized cover : reduce reflections 	<ul style="list-style-type: none"> ESD protective cover: prevent electrostatic damage YAG protective cover: prevent laser damage 	<ul style="list-style-type: none"> Light uniform cover : improve image brightness uniformity

Recommended application scenarios

The SC6000 AI smart camera with high computing power and strong flexibility can be widely used in positioning, measurement, identification, and inspection in various industries. With the AI algorithm module, it greatly reduces the difficulty and implementation cost of AI technology application, and promotes the rapid and widespread use of visual inspection. application.



Robotic arm positioning guidance



Defect detection



Assembly inspection



Dimension measurement