

HIFLY

Machine Vision Inspection Systems



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About HIFLY

HIFLY Technology company Limited was established in 2006 located in Shenzhen Guangdong China which is a high-tech enterprise focusing on machine vision light source, industrial camera lenses and vision system solutions.

As a global leader in machine vision solutions, we have 15 years of expertise in management, R&D, software engineers, imaging engineers and sales teams.

We are equipped with state-of-the-art production facilities, adhering to ISO9001:2015 quality system management standard. At the same time, we have more than 30 invention patents and Certifications, serving more than 2,500 customers in 30 countries all over the world.

We eagerly await your communication, anticipating a fruitful partnership in the near future.



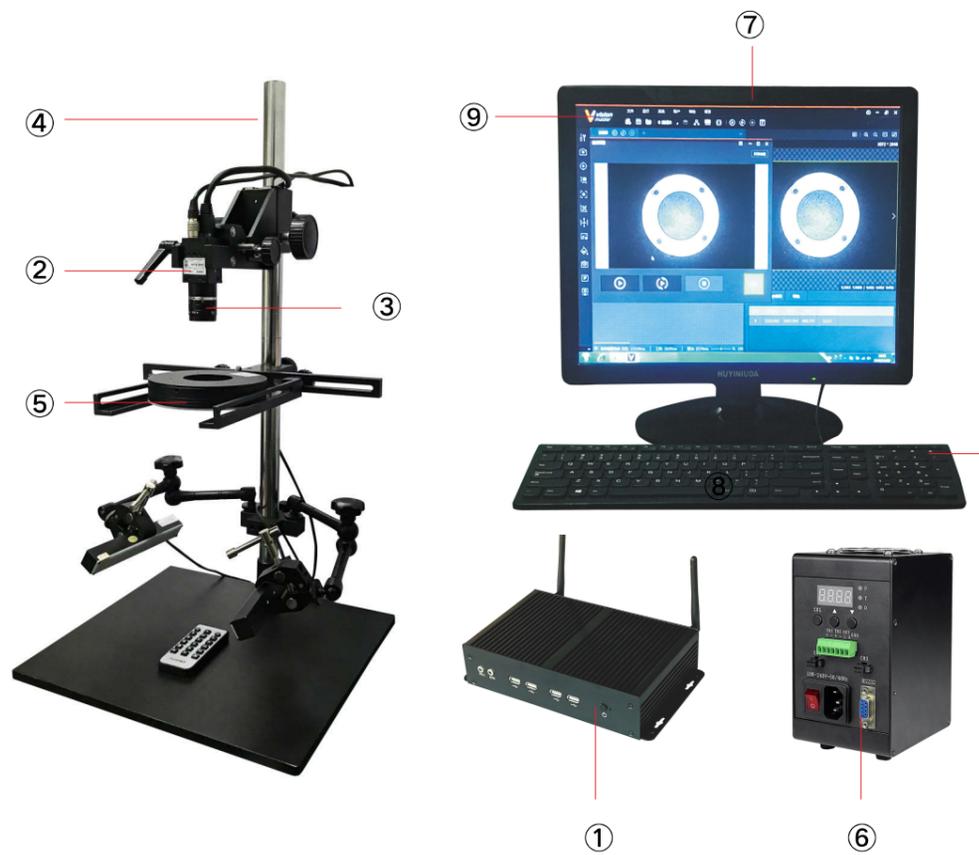
CONTENTS

- 01 Laboratory lighting system** • • • • • • • • • • 01
 - Product presentation
 - Vision detection application case

- 02 Mold Protection System** • • • • • • • • • • 03
 - Product presentation
 - Parts List
 - Application case

- 03 Machine Vision Software** • • • • • • • • • • 05
 - Product presentation
 - Easy-to-use interaction
 - Application case

Laboratory lighting system



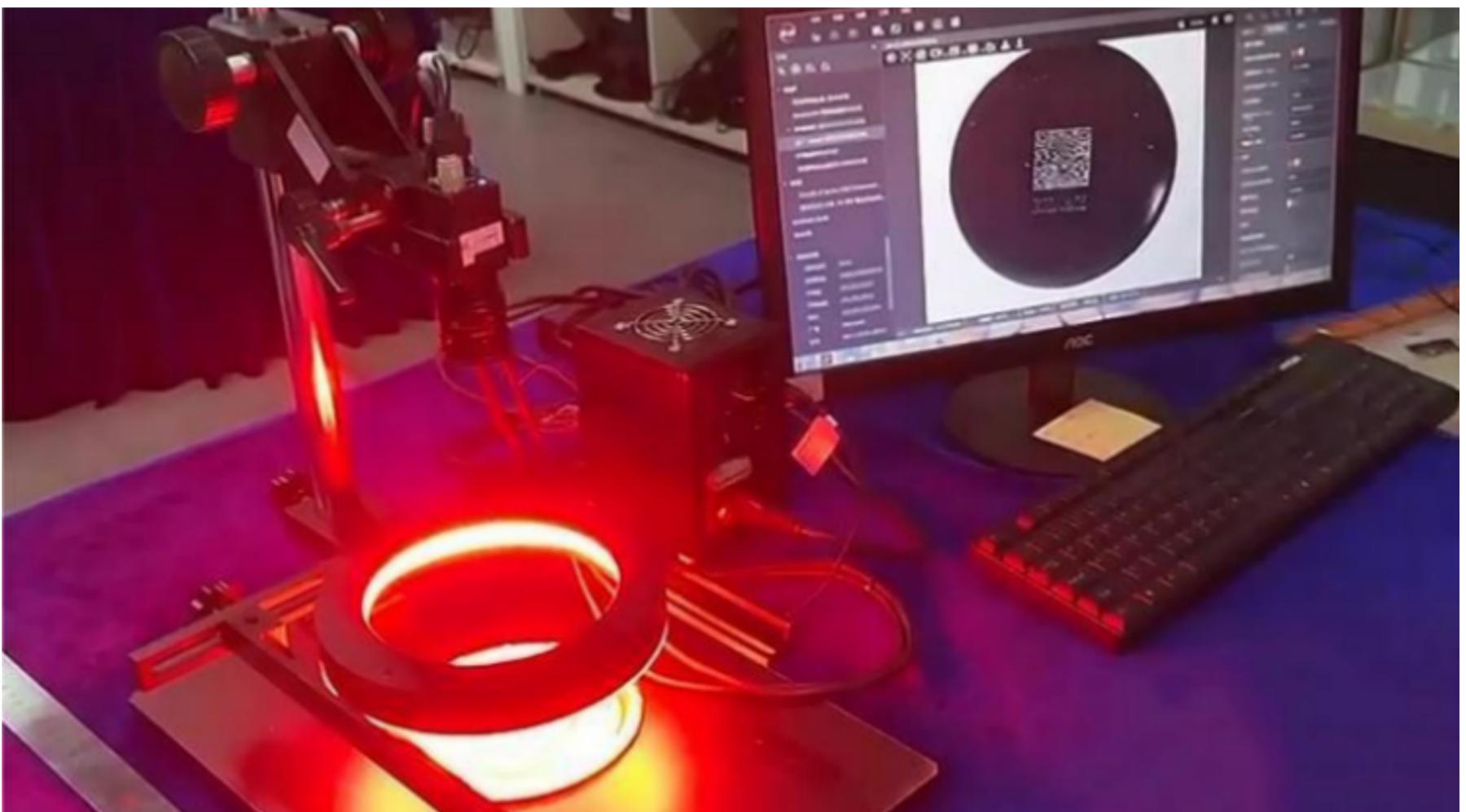
Hardware

① Industrial personal computer (configuration: I5, 4200U processor, 4G running memory, 120G mobile hard disk) Model: KM-I5-4200U	⑤ Light source 1 Model:FL100100-W-24 Light source 2 Model:RND12050A900W-24
② Industrial camera 600W rolling shutter Model: MV-CU060-10GM	⑥ Light controller Model:KM-DCS2.0-2C012W-24PS
③ 25mm lens Model: KM-FA2501C	⑦ 17 inch monitor
④ Experimental scaffold	⑧ Mouse and keyboard

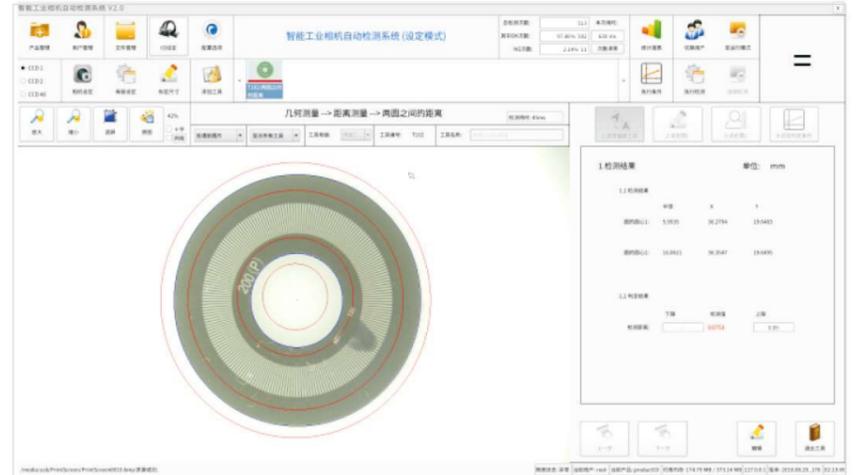
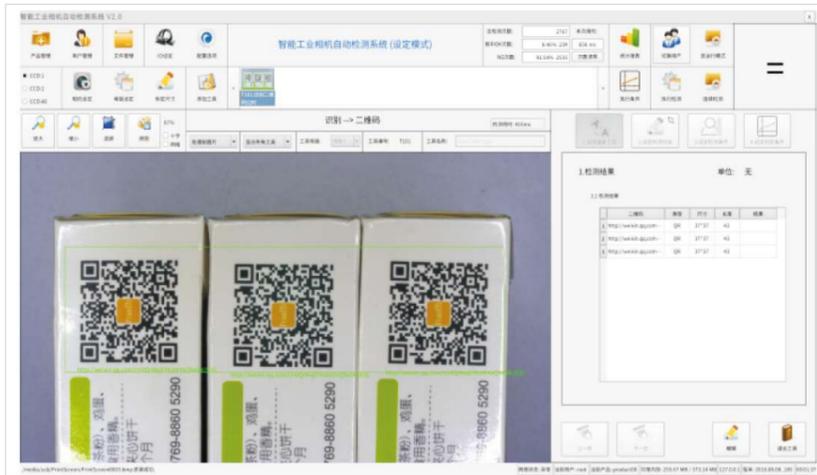
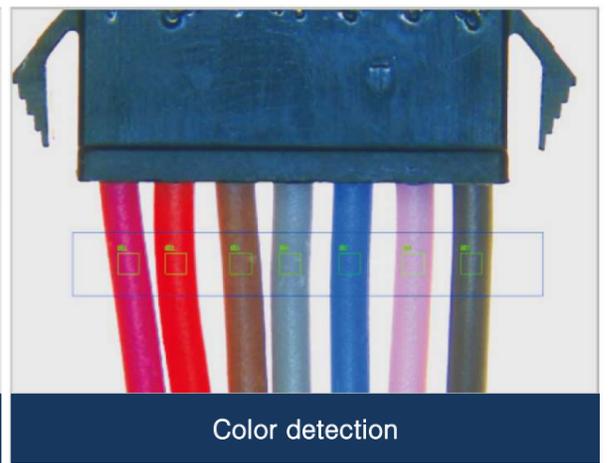
Software

⑨ Intelligent vision software Model:Vision Master

Note: List products are optional, support customization



Vision detection application case



Bar code, two-dimensional code recognition extraction

- Identify the bar code or two-dimensional code in the selected area of the map, support multi-code reading and proofreading.
- Support a variety of bar code and two-dimensional code format, recognition dot two-dimensional code.

Concentric circle detection

- Detect whether the different rings of the object are concentric, and alarm if they exceed the set value.
- The detection accuracy reaches 0.01mm.



Line order detection

- Detect wire and cable, fiber, connector, wiring head, cable, etc
- Judge line order, line position misalignment, and line missing.

Mold Protection System

Product presentation



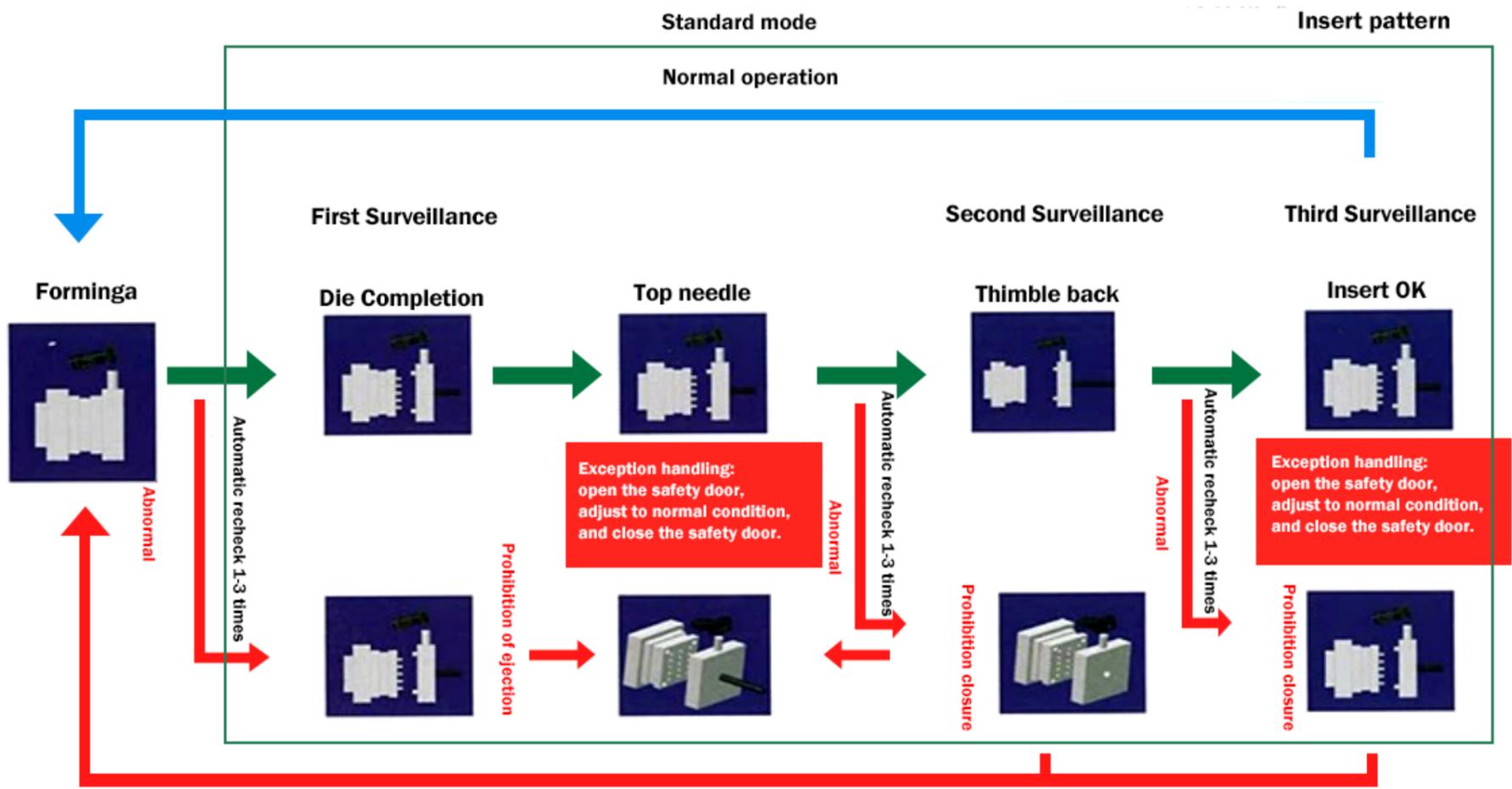
HIFLY Vision mold monitor, is the use of advanced machine vision processing algorithm and PC, camera, light source together to form a stable injection mold protection device.

The main detection of injection mold in the production process may encounter a variety of problems, to avoid the product does not fall off, thimble, slider or residue caused by the mold broken and damaged, protect the mold, reduce the defective rate, improve the production cycle, ensure the continuity of production, so as to achieve the purpose of saving production costs.

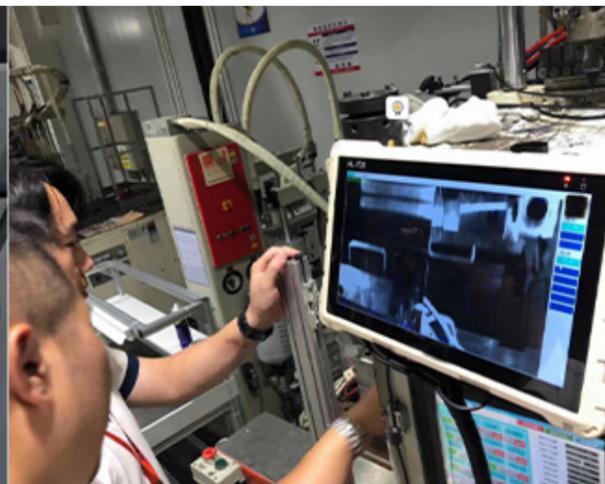
Parts List

	NAME	HF-600V1	HF-600V2	HF-600V3	HF-600V4
1	13.3 inch industrial integrated mainframe	1	1	1	1
2	Industrial camera	1	2	3	4
3	Industrial lenses	1	2	3	4
4	Infrared light	1	2	3	4
5	Magnetic base	2	4	6	8
6	Inch screw + camera fastener	1	2	3	4
7	Host power + cable	1	1	1	1
8	Monitor stand	1	1	1	1
9	Magnets + matching screws	4	4	4	4
10	Light source extension cable	1	2	3	4
11	Gigabit cable	1	2	3	4
12	Injection molding machine DB15 link line	1	1	1	1
13	Cannula	1	2	3	4
14	Specification	1	1	1	1

Application case



Even multi-mode and multi-hole simultaneous detection



Connector terminal detector



Electronic precision product inspection

APPLICATION CASE



New energy lithium detection



Oil pump insert testing



Automatic visual positioning detection

Machine Vision Software

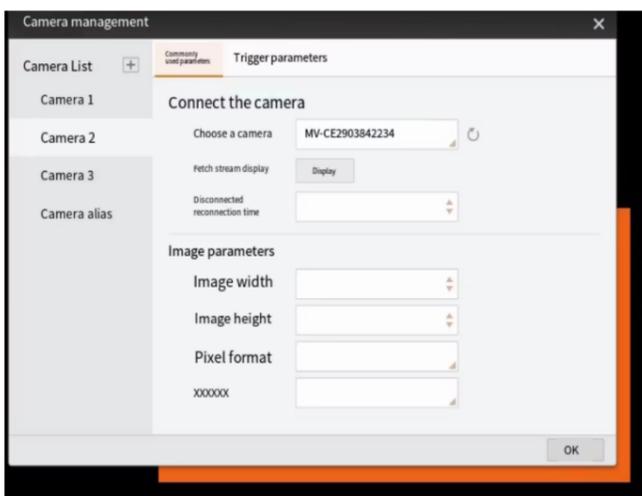


USB Interface

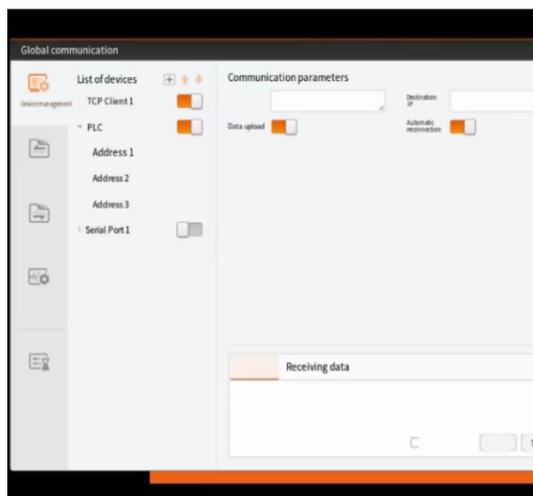
VisionMaster is a visual software, built-in more than a thousand kinds of self-developed image processing operators, so it forms a powerful visual analysis tool library, so it can help users to identify and analyze pictures with high precision, and help users better deal with picture content.

Model	VM-6100 / VM-6100Pro / VM-7100 / VM-7100Pro
Type	USB Dongle KEY
Application	For Unlocking VisionMaster Algorithm Software
Quantity of connected cameras	1~4pcs(VM-6100) / 1~∞(VM-6100Pro) / 1~4pcs(VM-7100) / 1~∞(VM-7100Pro)
Place of Origin	China
Color	White
Warranty	1 year

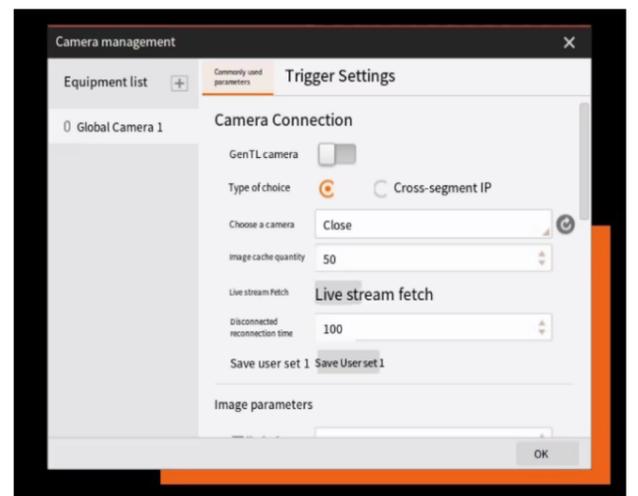
Easy-to-use interaction



Control camera



IO Control

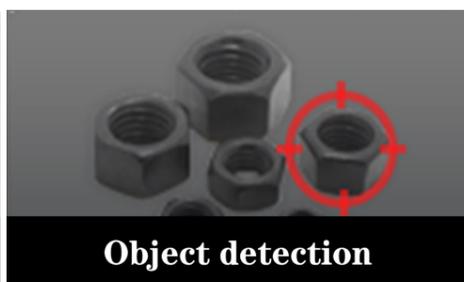


Light source regulation

Application case



Image classification



Object detection

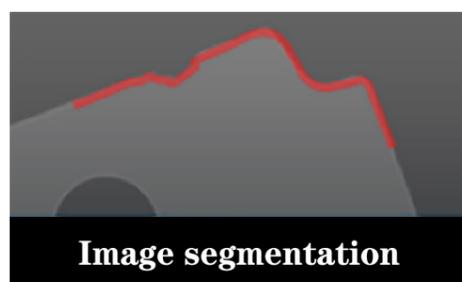


Image segmentation



Character training