

Laboratory Lighting System



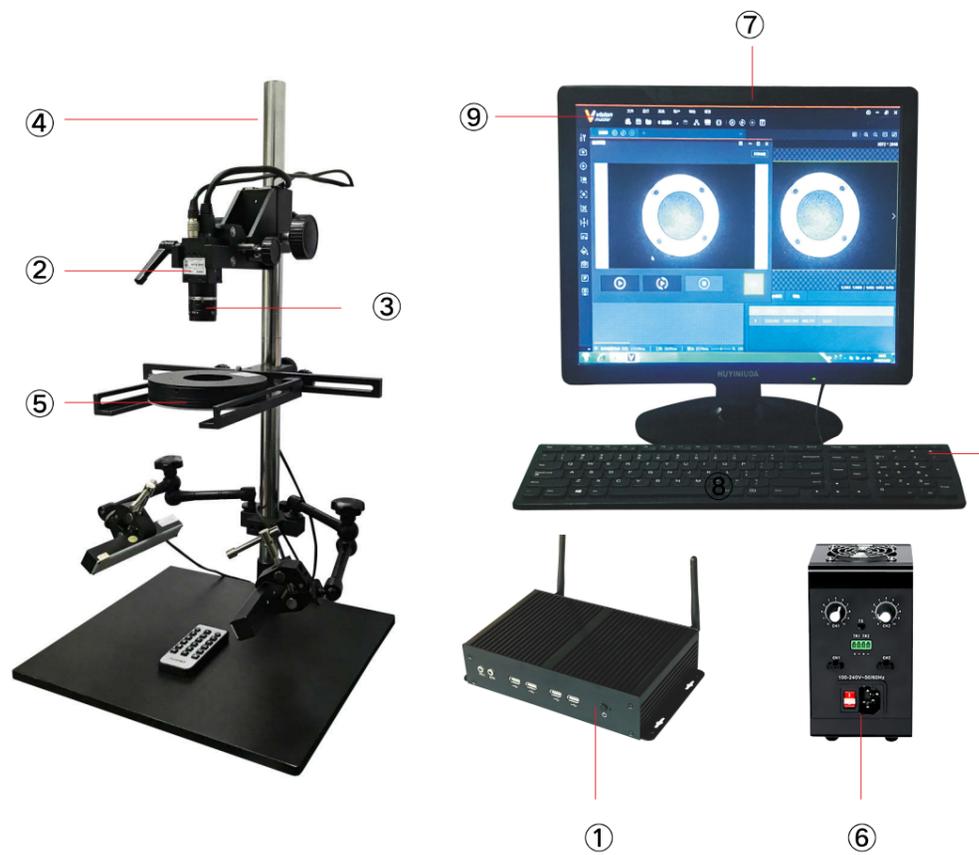
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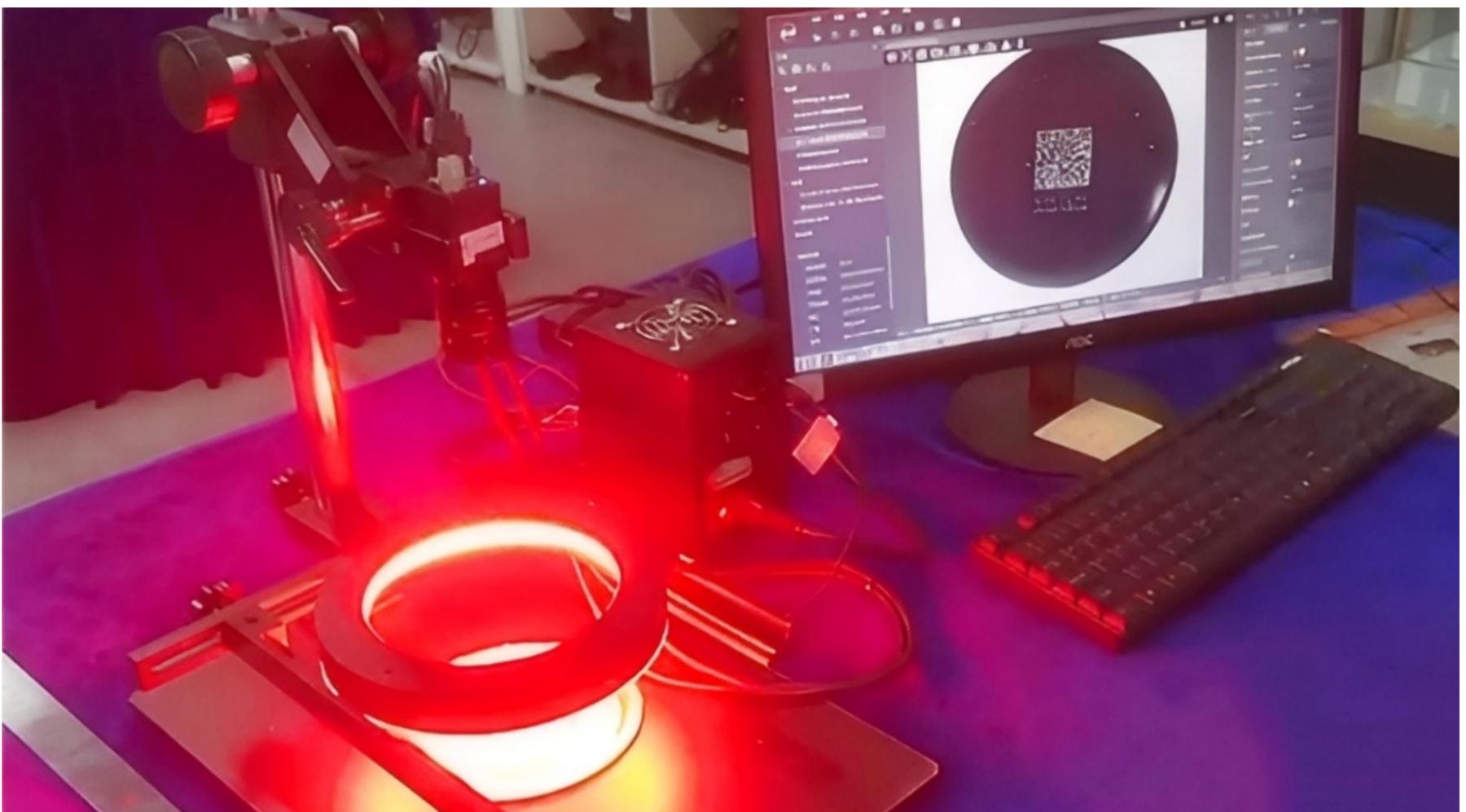
Hardware

① Industrial personal computer (configuration: I5, 4200U processor, 4G running memory, 120G mobile hard disk) Model: KM-I5-4200U	⑤ Light source 1 Model:2FL100100-W-24 Light source 2 Model:KM-2RND10040A90-W-24
② Industrial camera 600W rolling shutter Model: MV-CU060-10GM	⑥ Light controller Model:ACS2.0-2C003W-5PS
③ 25mm Industrial lens Model: KM-FA2501C	⑦ 17 inch monitor
④ Experimental rack	⑧ Mouse and keyboard

Software

⑨ Intelligent vision software Model:Vision Master

Note: List products are optional, support customization



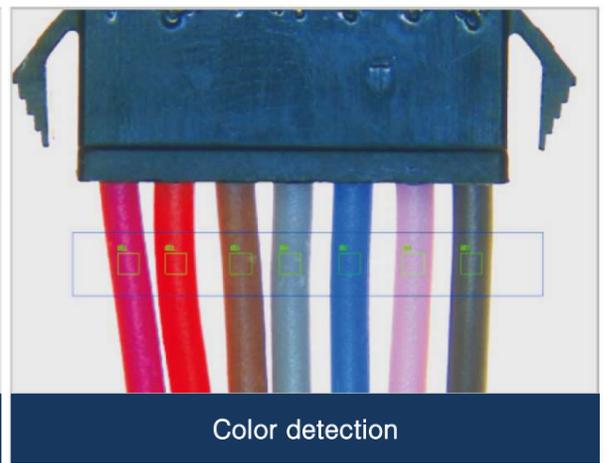
Vision detection application case



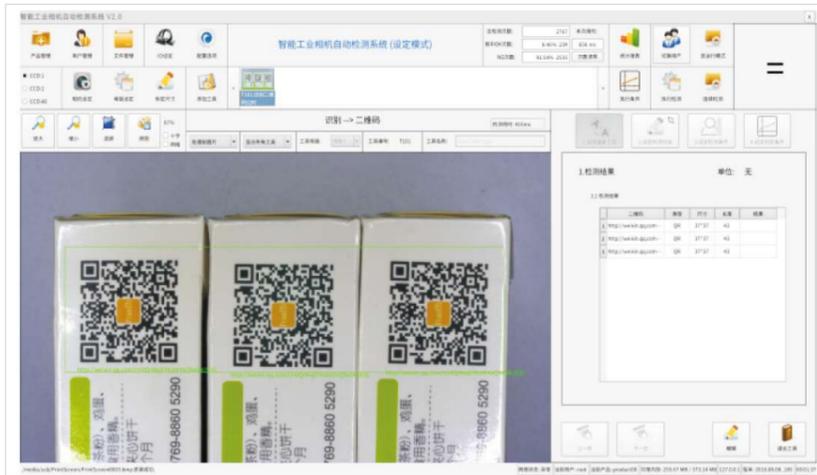
Contour search localization



Character recognition and extraction

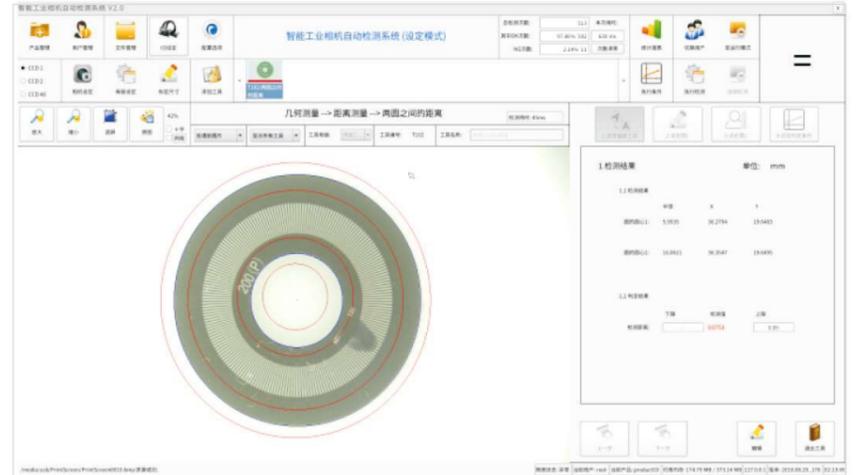


Color detection



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.