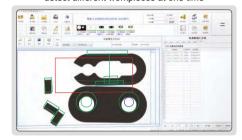


camera function

- surface defect detection ■ character recognition
- dimension measurement
 - color detection
- read barcode
- read QR code
- burr detection
- object counting
- contour matching
- thread measurment

detect different workpieces at one time



- Automatically identify different workpieces
- Automatically locate workpieces regardless of position and direction
- Built-in software, PLC control input and output interface
- Including multiple detection tools
- Automatically calculate, store the test results and export to Excel



report showing the perform times of each tool, quantity of OK and NG, the report can be saved

| | T102 Cluster | | | | | | |
|----|-------------------|----------------|-----------------|-----------------|--------------|--|--|
| | Detection number | Detection time | Detection asion | Number of spots | Maximum radi | | |
| 1 | 700101_000641_001 | 33ms | 白色 | 0 | 0.0000mm | | |
| 2 | 700101_001151_001 | 31ms | 自色 | 0 | 0.0000mm | | |
| 3 | 700101_001202_001 | 31ms | 自色 | 0 | 0.0000mm | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6. | | | | | | | |
| 7 | | | | | | | |
| | | | | | | | |
| 9 | | | | | | | |
| 19 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

report of each detection is automatically created and saved

SPECIFICATION

| Magnification | 15X~100X |
|-------------------|---------------|
| Resolution | 1920×1080 |
| Pixel | 2M |
| Single pixel size | 3.75×3.75µm |
| Frame rate | 60fps |
| Sensor | 1/2" CMOS |
| Chip structure | FPGA+ARM |
| Operation system | Linux 3.10 |
| Power supply | power adapter |
| Dimension (L×W×H) | 570×300×430mm |
| Weight | 6.5kg |

STANDARD DELIVERY

| Main unit | 1 pc |
|------------------------|-------|
| 0.5X camera adapter | 1 pc |
| 1X auxiliary objective | 1 pc |
| Calibration plate | 1 pc |
| 16G USB flash disk | 1 pc |
| White/black plate | 1 pc |
| HDMI cable | 1 pc |
| Power adapter | 3 pcs |

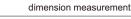
MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

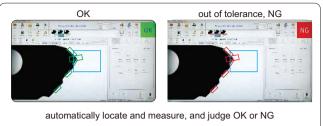
| Auxiliary | Specification | Camera adapter | | |
|------------|----------------|-------------------|-------------------|--|
| objective | | 0.5X (included) | 1X (optional) | |
| 1X | Magnification | 15~100X | 30~200X | |
| (included) | Focus distance | 70±2mm | 70±2mm | |
| (| View filed | 16×11~2.5×1.6mm | 7.8×5.3~1.2×0.8mm | |
| 2X | Magnification | 30~200X | 60~400X | |
| (optional) | Focus distance | 29±2mm | 29±2mm | |
| (ориона) | View filed | 7.8×5.3~1.2×0.8mm | 3.8×2.7~0.6×0.4mm | |

OPTIONAL ACCESSORY

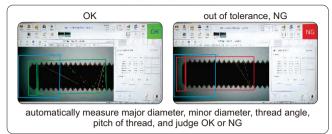
| 0 | | |
|------------------------|--------------|--|
| 1X camera adapter | ISM-DL-CA1X | |
| 2X auxiliary objective | ISM-DL-OB2X | |
| LED light | page 431~432 | |
| Auxiliary objective | page 433 | |

APPLICATION EXAMPLES:

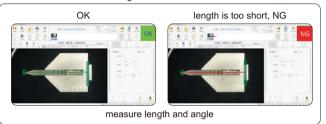




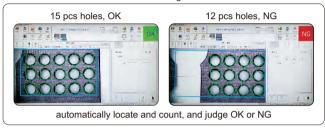
thread measurement



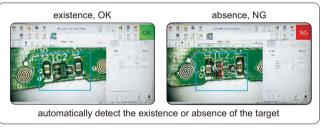
cutting tools measurement



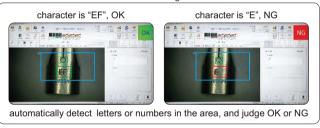
counting



existence or absence



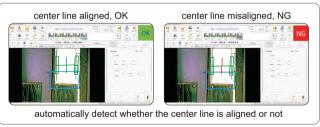
character recognition



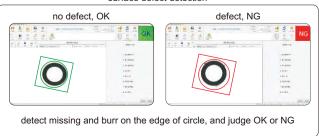
color detection



location detection



surface defect detection



glue detection

