# MACHINE VISION
# SC3000 General Vision Sensor




Hikrobotics.com

HIKROBOT

# SC3000/SC3000X

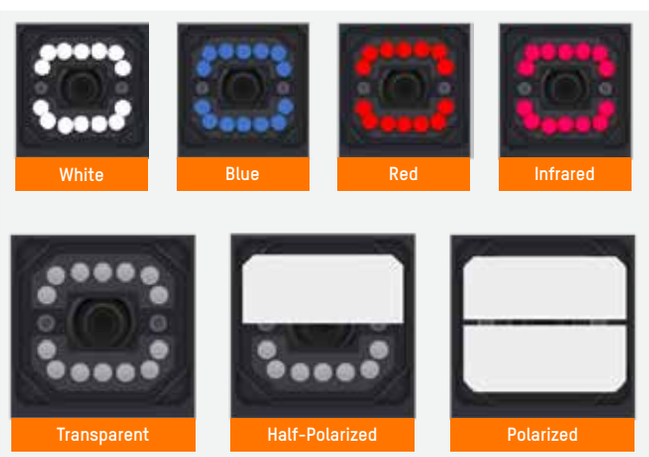
The SC3000(X) series is developed based on a high-performance embedded platform, integrating 40+ AI algorithms to lower the barrier to visual inspection. With a multiple-channel optical lighting design, it can be widely used for positioning, measurement, recognition, and other needs across industries, making it the best choice for single-camera visual inspection.

To meet diverse inspection needs, optical solutions must be highly adaptable to various scenarios and products of different colors. Leveraging extensive lighting expertise, robust hardware development capabilities, and deep industry insights, Hikrobot offers a comprehensive range of optical accessories.

## Diverse Light Source Options

- Optional multi-color light boards and lens covers.
- SC3000 Baseline Configuration: White Light Board + Transparent Lens Cover
- SC3000X Baseline Configuration: White Light Board + Half-Polarized Lens Cover

**SC3000**




**SC3000X**




## Optical Polarization

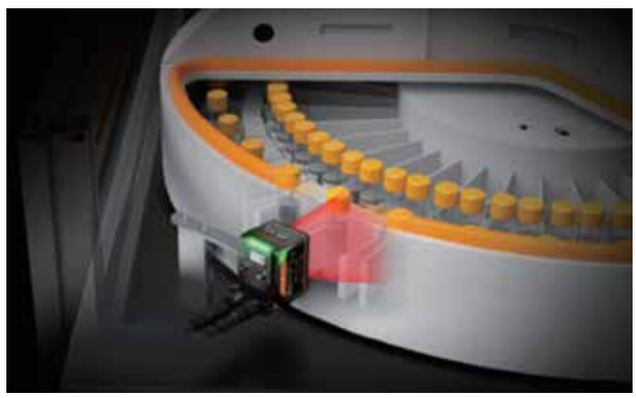
- Applying suitable polarizers effectively resolves glare and improves inspection results.



# SC3000X

## Flexible and Compact Design

- With a 1/3 reduction in size compared to the SC3000, it features a rotatable tail structure that supports 180° free cable routing.



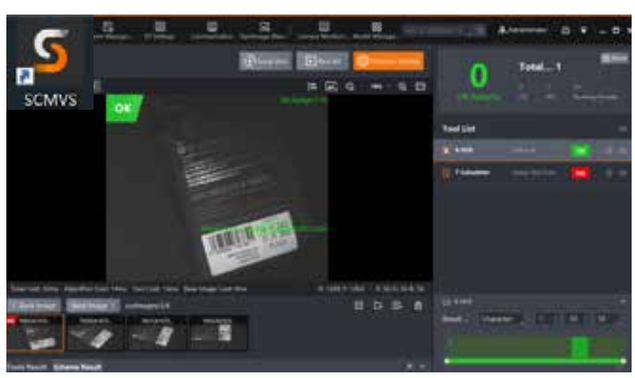
## Three-channel Optical Design

- Equipped with three optical illumination modes, such as direct illumination, polarized illumination and diffuse illumination.




## SCMVS Software

- SCMVS software features an intuitive, guided workflow configuration that simplifies on-site operation. Users can personalize, manage, and store device solutions easily.*Download software from Hikrobot official website.



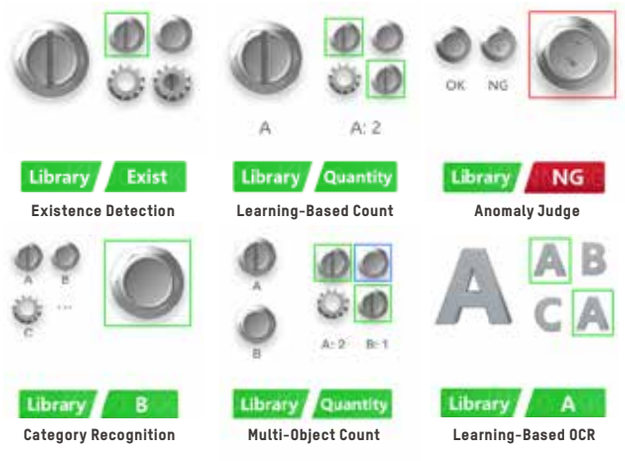

## Monitoring interface

- The monitoring interface supports various design controls, closely meet user needs, catering to the personalized interface requirements across various industry applications.



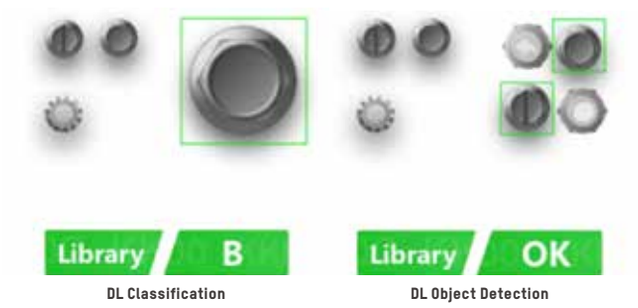
## Edge Learning Module

- supports training AI models directly within the camera. By registering just 1 to 5 sample images, the algorithm automatically extracts differential features for classification, enabling rapid deployment of machine vision solutions.



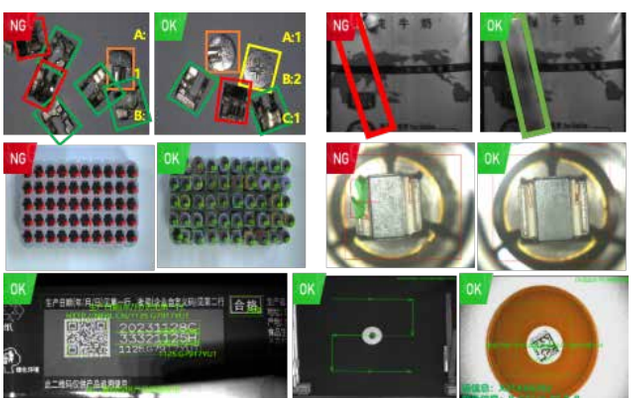

## Deep Learning Module

- SC3000 series supports AI deep learning module. Users can train detection models on VisionTrain platform to improve the accuracy.



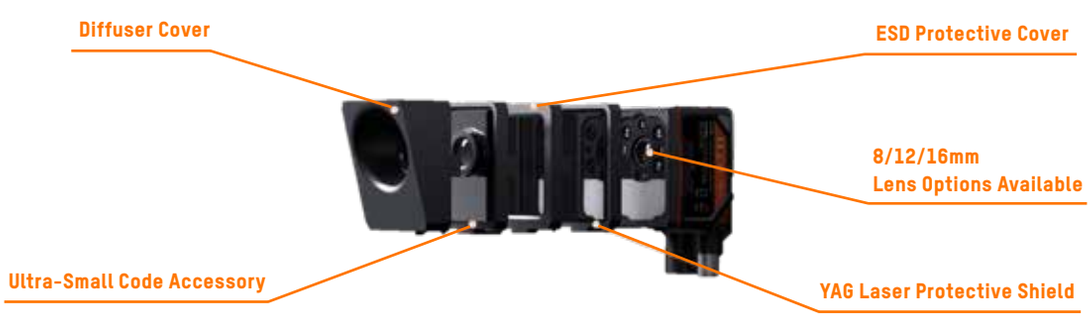

## Algorithm Advantages

- Built-in multiple AI detection algorithms to lower the barrier of AI inspection.



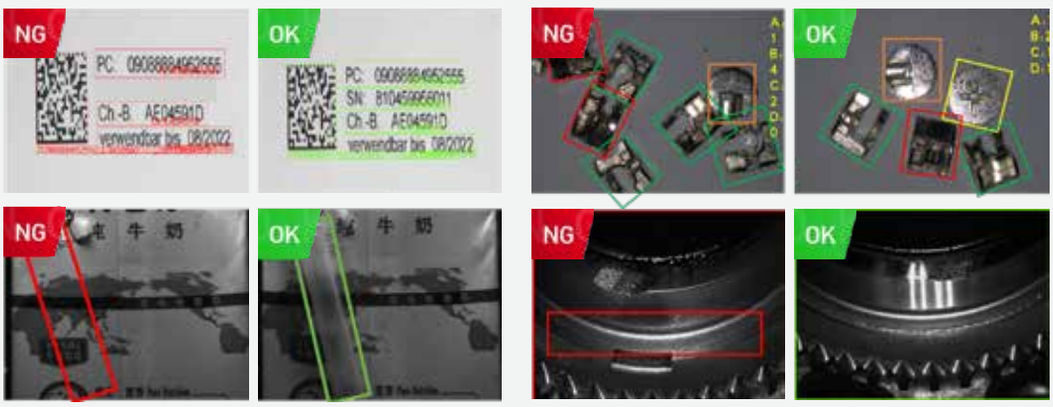

## Rich Optical Accessories

- Various optical accessories allow users to flexibly change configurations on-site to adapt to evolving vision inspection requirements.



# Application Scenarios

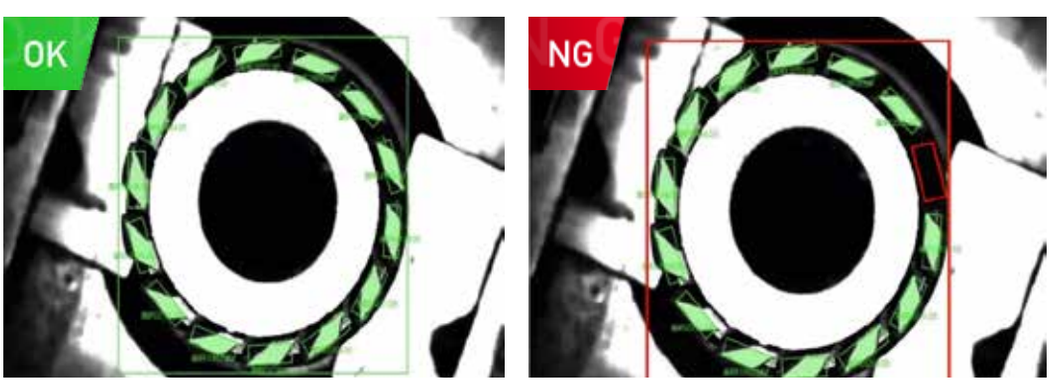
• Ideal for general production inspection with enhanced functions and cost efficiency.



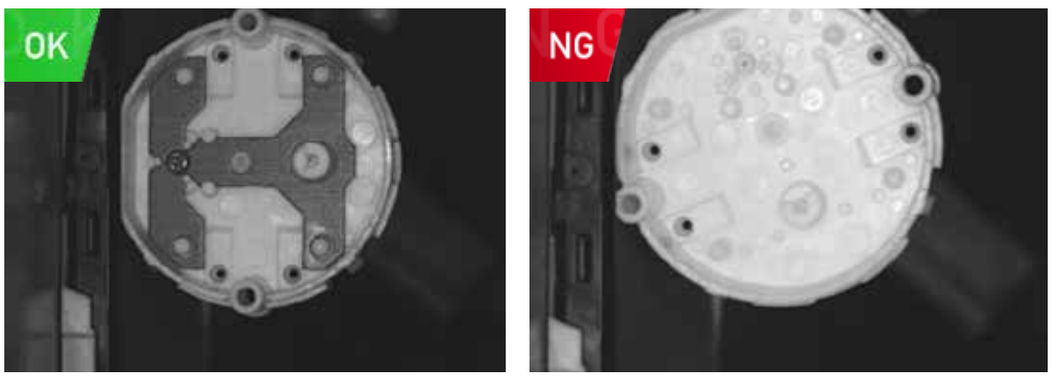

## Consumer Electronics Industry




## Photovoltaic Industry



## Auto Parts Industry

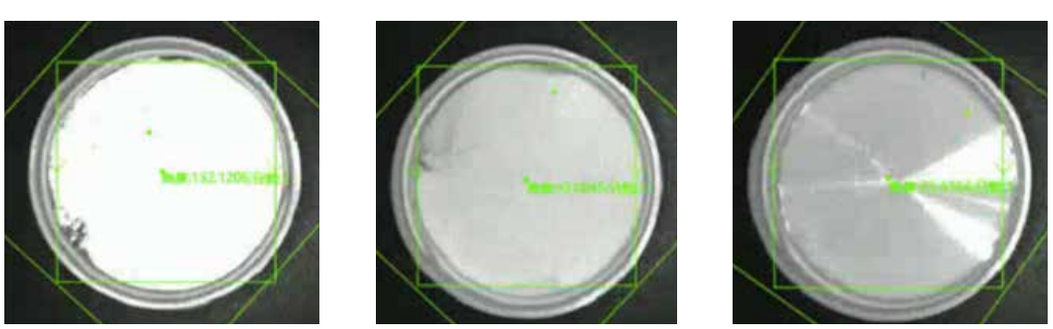



## Pharmaceutical Industry



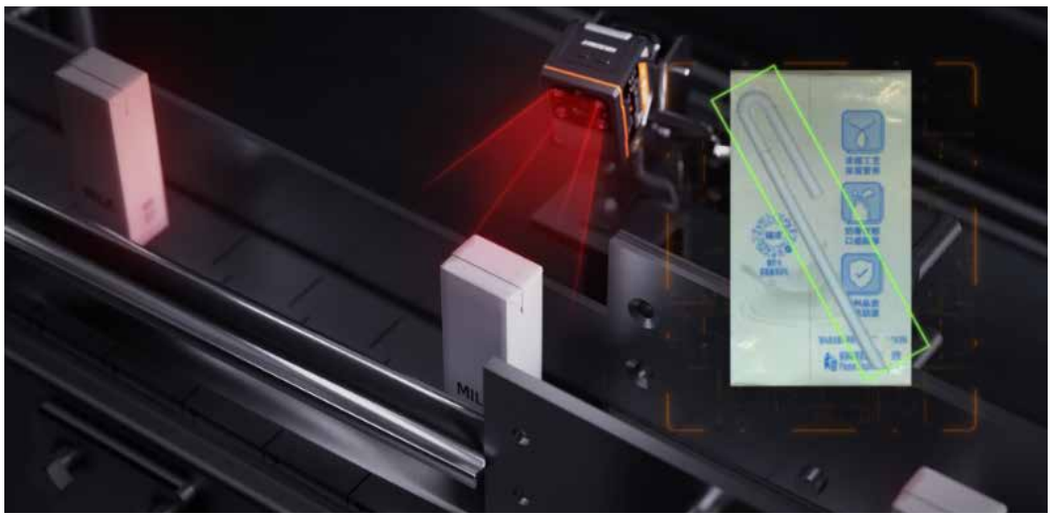
**OK** **NG** **Missing**





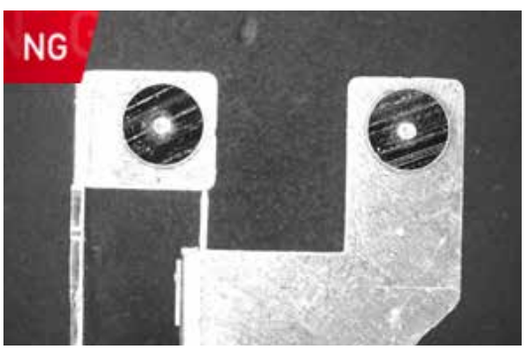
Mean Brightness: 254 Mean Brightness: 210 Mean Brightness: 196

## Food Packaging Industry



## Electrical Appliances Industry



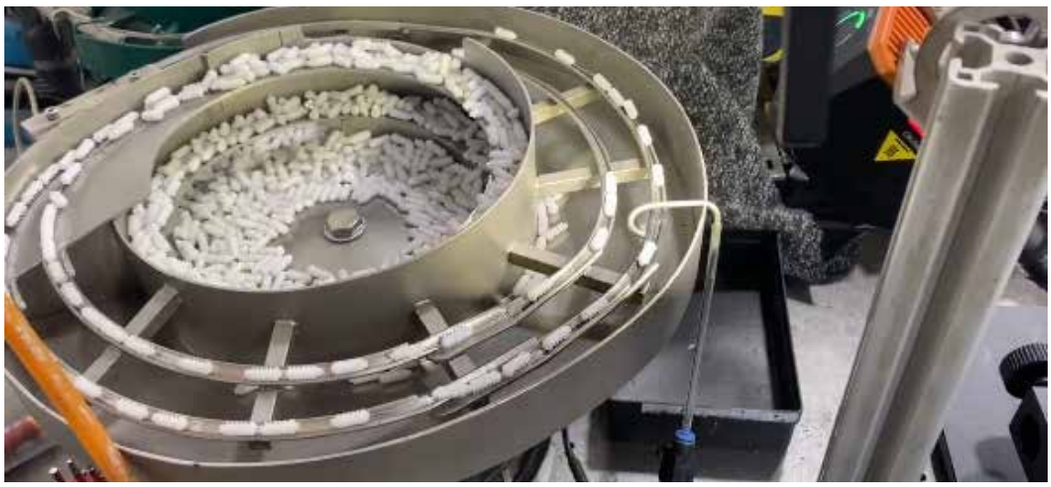



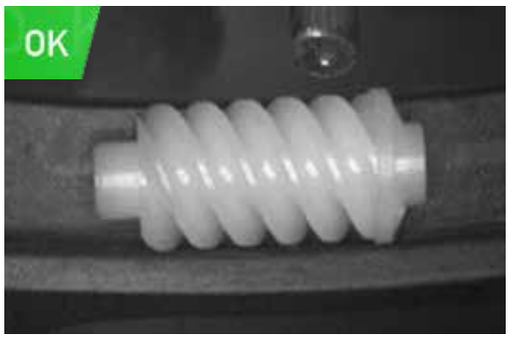

## PCB Industry

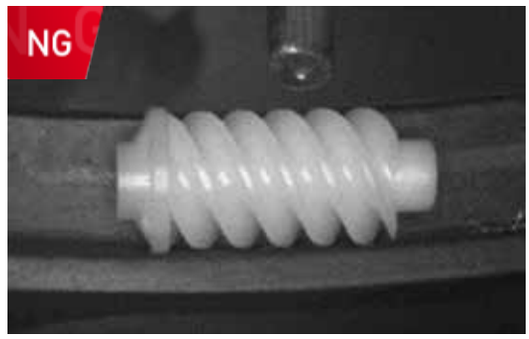





## Manufacturing Industry





# Specifications

## SC3000

| Model | MV-SC3016M-xxM-WBN | MV-SC3016C-xxM-WBN | MV-SC3050M-xxM-WBN |
|---|---|---|---|
| **Tool** | | | |
| **Vision tool** | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, diameter measurement, line angle | | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, diameter measurement, line angle |
| | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection | | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection |
| | Count: Spot count, edge count, contour count, pattern count, learning-based count | | Count: Spot count, edge count, contour count, pattern count, learning-based count |
| | Recognition: Multi-object count, code recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection | | Recognition: Multi-object count, code recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection |
| | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge | | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge |
| | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture | | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture |
| | Deep learning: DL classification, DL object detection | | Deep learning: DL classification, DL object detection |
| | Defect detection: Anomaly detection | | Defect detection: Anomaly detection |
| | Industry tools: OCR and defect detection | | Industry tools: OCR and defect detection |
| **Solution capacity** | Supports importing and exporting project, up to 32 projects can be stored | | |
| **Communication protocol** | RS-232, TCP, UDP, FTP, PROFINET, Modbus, EtherNet/IP, MELSEC/SLMP, FINS, Keyence KV | | |
| **Camera** | | | |
| **Sensor type** | CMOS, global shutter | | CMOS, global shutter |
| **Pixel size** | 3.45 μm × 3.45 μm | | 3.4 μm × 3.4 μm |
| **Sensor size** | 1/2.9" | | 2/3" |
| **Resolution** | 1408 × 1024 | | 2432 × 2048 |
| **Max. frame rate** | 60 fps | | 50 fps |
| **Gain** | 0 dB to 15 dB | | 0 dB to 24 dB |
| **Exposure time** | 35 μs to 1 sec | | 60 μs to 1 sec |
| **Pixel format** | Mono 8 | RGB 8, Mono 8 | Mono 8 |
| **Mono/color** | Mono | Color | Mono |
| **Electrical feature** | | | |
| **Data interface** | Fast Ethernet (100 Mbit/s) | | |
| **Digital I/O** | 17-pin M12 connector provides power, Ethernet, digital I/O, and serial port: Input signal × 2 (Line 0/1), output signal × 3 (Line 5/6/7), bi-directional I/O × 3 (Line 2/3/4), and external button input × 1. Output signal can be set as NPN or PNP. | | |
| **Power supply** | 24 VDC | | |
| **Power consumption** | Avg.: 13.8 W @ 24 VDC (light source enabled) | | Avg.: 9.6 W @ 24 VDC |
| | Max.: 42 W @ 24 VDC (light source enabled) | | Max.: 48 W @ 24 VDC |

| | | |
|---|---|---|
| **Mechanical** | | |
| **Lens mount** | M12-mount, mechanical focus supported | M12-mount, mechanical focus supported |
| **Focal length** | 6mm;12mm;14,8mm | 6mm;12mm;16mm |
| **Lens cap** | Transparent lens cap by default. | |
| **Light source** | 14 LEDs, white light by default. | |
| **Indicator** | Power indicator (PWR), network indicator (LNK), status indicator (STS), result indicator (OK/NG) | |
| **Dimension** | 65.2 mm × 65.2 mm × 47 mm (2.6" × 2.6" × 1.9") | |
| **Weight** | Approx. 280 g (0.6 lb.) | |
| **Ingress protection** | IP67 (under proper installation of lens and wiring) | |
| **Temperature** | Working temperature: 0 °C to 50 °C (32 °F to 122 °F) | |
| | Storage temperature: –30 °C to 70 °C (–22 °F to 158 °F) | |
| **Humidity** | 20% RH to 95% RH (no condensation) | |
| **Vibration resistance** | Meets standard IEC 60068-2-6:2007. | |
| | Device only (without installation bracket): 10 Hz to 55 Hz, 1.5 mm peak-to-peak amplitude, 2 hours per axis (X, Y, Z) | |
| **Shock resistance** | Meets standard IEC 60068-2-27:2008. | |
| | Device only (without installation bracket): 30 g / 11 ms, half-sine wave, 500 shocks per axis (6 directions) | |
| **General** | | |
| **Client software** | SCMVS | |
| **Certification** | CE, KC | |

# SC3000X

| Model | MV-SC3000XM-xxM-WBN | | | | MV-SC3000XC-xxM-WBN | | | |
|---|---|---|---|---|---|---|---|---|
| | 1.3MP | 2MP | 3.1MP | 5MP | 1.3MP | 2MP | 3.1MP | 5MP |
| **Tool** | | | | | | | | |
| **Vision tool** | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, diameter measurement, line angle | | | | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, color measurement, color size, diameter measurement, line angle | | | |
| | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection | | | | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection | | | |
| | Count: Spot count, edge count, contour count, pattern count, learning-based count | | | | Count: Spot count, edge count, contour count, pattern count, learning-based count, color count | | | |
| | Recognition: Multi-object count, code recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection | | | | Recognition: Multi-object count, code recognition, color contrast, color recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection | | | |
| | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge | | | | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge | | | |
| | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture | | | | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture | | | |
| | Deep learning: DL classification, DL object detection | | | | Deep learning: DL classification, DL object detection | | | |
| | Defect detection: Anomaly detection | | | | Defect detection: Anomaly detection | | | |
| | Industry tools: OCR and defect detection | | | | Industry tools: OCR and defect detection | | | |
| **Solution capacity** | Supports importing and exporting project, up to 32 projects can be stored | | | | | | | |
| **Communication protocol** | RS-232, TCP, UDP, FTP, PROFINET, Modbus, EtherNet/IP, MELSEC/SLMP, FINS, Keyence KV | | | | | | | |
| **Camera** | | | | | | | | |
| **Sensor type** | CMOS, global shutter | | | | CMOS, global shutter | | | |
| **Pixel size** | 6.9μm × 6.9μm | 3.45μm × 3.45μm | 3.45μm × 3.45μm | 3.45μm × 3.45μm | 6.9 μm × 6.9 μm | 3.45μm × 3.45μm | 3.45μm × 3.45μm | 3.45μm × 3.45μm |
| **Sensor size** | 1/1.45" | 1/2.53" | 1/1.8" | 1/1.45" | 1/1.45" | 1/2.53" | 1/1.8" | 1/1.45" |
| **Resolution** | 1216 × 1024 | 1536 × 1264 | 2048 × 1536 | 2432 × 2048 | 1216 × 1024 | 1536 × 1264 | 2048 × 1536 | 2432 × 2048 |
| **Max. frame rate** | 60 fps | 100 fps | 40 fps | 40 fps | 60 fps | 100 fps | 40 fps | 40 fps |
| **Gain** | 0 dB to 15 dB | 0 dB to 37 dB | 0 dB to 15 dB | 0 dB to 15 dB | 0 dB to 15 dB | 0 dB to 37 dB | 0 dB to 15 dB | 0 dB to 15 dB |
| **Exposure time** | 6 μs to 1 sec | 35 μs to 1 sec | 6 μs to 1 sec | 6 μs to 1 sec | 6 μs to 1 sec | 35 μs to 1 sec | 6 μs to 1 sec | 6 μs to 1 sec |
| **Pixel format** | Mono 8 | | | | RGB 8;Mono 8 | | | |
| **Mono/color** | Mono | | | | Color | | | |
| **Electrical feature** | | | | | | | | |
| **Data interface** | Fast Ethernet (100 Mbit/s) | | | | Fast Ethernet (100 Mbit/s) | | | |
| **Digital I/O** | 12-pin M12 connector provides power and I/O, including opto-isolated input (LINE 0/1/2) × 3, opto-isolated output (LINE 3/4/5) × 3, and RS-232 × 1<br>Supports triggering device via pressing top trigger button | | | | 12-pin M12 connector provides power and I/O, including opto-isolated input (LINE 0/1/2) × 3, opto-isolated output (LINE 3/4/5) × 3, and RS-232 × 1<br>Supports triggering device via pressing top trigger button | | | |
| **Power supply** | 24 VDC | | | | 24 VDC | | | |
| **Power consumption** | Avg.: 7 W @ 24 VDC (light source enabled) | | | | Avg.: 7 W @ 24 VDC (light source enabled) | | | |
| | Max.: 22 W @ 24 VDC (light source enabled) | | | | Max.: 22 W @ 24 VDC (light source enabled) | | | |
| **Mechanical** | | | | | | | | |
| **Lens mount** | M12-mount, mechanical focus supported | | | | M12-mount, mechanical focus supported | | | |
| **Focal length** | 8mm;12mm;16mm | | | | 8mm;12mm;16mm | | | |
| **Lens cap** | Half-polarized lens cap by default. | | | | Half-polarized lens cap by default. | | | |
| **Light source** | White light by default. | | | | White light by default. | | | |
| **Aiming system** | 1 LED | | | | 1 LED | | | |

| Mechanical | | |
|---|---|---|
| **Indicator** | 360° visual indicator | 360° visual indicator |
| **Dimension** | Straight angle: 80.1 mm × 43 mm × 44.3 mm (3.2"" × 1.7"" × 1.7"")<br>Right angle: 58.5 mm × 43 mm × 65.4 mm (2.3"" × 1.7"" × 2.6"")" | Straight angle: 80.1 mm × 43 mm × 44.3 mm (3.2"" × 1.7"" × 1.7"")<br>Right angle: 58.5 mm × 43 mm × 65.4 mm (2.3"" × 1.7"" × 2.6"")" |
| **Weight** | Approx. 190 g (0.4 lb.) | Approx. 190 g (0.4 lb.) |
| **Ingress protection** | IP67 (under proper installation of waterproof lens cap) | IP67 (under proper installation of waterproof lens cap) |
| **Temperature** | Working temperature: 0 °C to 50 °C (32 °F to 122 °F) | Working temperature: 0 °C to 50 °C (32 °F to 122 °F) |
| | Storage temperature: –30 °C to 70 °C (–22 °F to 158 °F) | Storage temperature: –30 °C to 70 °C (–22 °F to 158 °F) |
| **Humidity** | 20% RH to 95% RH (no condensation) | 20% RH to 95% RH (no condensation) |
| **Vibration resistance** | Meets standard IEC 60068-2-6:2007. | Meets standard IEC 60068-2-6:2007. |
| | Device only (without installation bracket): 10 Hz to 55 Hz, 1.5 mm peak-to-peak amplitude, 2 hours per axis (X, Y, Z) | Device only (without installation bracket): 10 Hz to 55 Hz, 1.5 mm peak-to-peak amplitude, 2 hours per axis (X, Y, Z) |
| **Shock resistance** | Meets standard IEC 60068-2-27:2008. | Meets standard IEC 60068-2-27:2008. |
| | Device only (without installation bracket): 30 g / 11 ms, half-sine wave, 500 shocks per axis (6 directions) | Device only (without installation bracket): 30 g / 11 ms, half-sine wave, 500 shocks per axis (6 directions) |
| **General** | | |
| **Client software** | SCMVS | |
| **Certification** | CE, KC | |

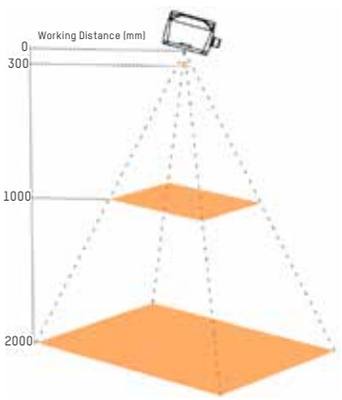
| Model | MV-SC3050XM-xxM-WBN-S | MV-SC3060XM-xxM-WBN | MV-SC3050XC-xxM-WBN-S | MV-SC3060XC-xxM-WBN |
|---|---|---|---|---|
| **Tool** | | | | |
| **Vision tool** | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, diameter measurement, line angle | | Measurement: P2P measurement, P2L measurement, contrast measurement, grayscale size, edge width measurement, width measurement, brightness average value, L2L angle, color measurement, color size, diameter measurement, line angle | |
| | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection | | Existence: Spot existence, edge existence, contour existence, pattern existence, circle existence, line existence, anomaly judge, existence detection | |
| | Count: Spot count, edge count, contour count, pattern count, learning-based count | | Count: Spot count, edge count, contour count, pattern count, learning-based count, color count | |
| | Recognition: Multi-object count, code recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection | | Recognition: Multi-object count, code recognition, color contrast, color recognition, category recognition, classification registration, object registration, OCR, learning-based OCR, character horizontal stripe detection | |
| | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge | | Logic: Calculator, if module, logic judge, format output, condition judge, character comparison, combination judge | |
| | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture | | Location: Calibration convert, single point alignment, point rectify, point grasp, scale transformation, fixture | |
| | Deep learning: DL classification, DL object detection | | Deep learning: DL classification, DL object detection | |
| | Defect detection: Anomaly detection | | Defect detection: Anomaly detection | |
| | Industry tools: OCR and defect detection | | Industry tools: OCR and defect detection | |
| **Solution capacity** | Supports importing and exporting project, up to 32 projects can be stored | | | |
| **Communication protocol** | RS-232, TCP, UDP, FTP, PROFINET, Modbus, EtherNet/IP, MELSEC/SLMP, FINS, Keyence KV | | | |
| **Camera** | | | | |
| **Sensor type** | CMOS, global shutter | CMOS, rolling shutter | CMOS, global shutter | CMOS, rolling shutter |
| **Pixel size** | 3.45 μm × 3.45 μm | 2 μm × 2 μm | 3.45 μm × 3.45 μm | 2 μm × 2 μm |
| **Sensor size** | 1/1.45" | 1/2.4" | 1/1.45" | 1/2.4" |
| **Resolution** | 2432 × 2048 | 3200 × 1920 | 2432 × 2048 | 3200 × 1920 |
| **Max. frame rate** | 40 fps | 20 fps | 40 fps | 20 fps |
| **Gain** | 0 dB to 15 dB | 0 dB to 33 dB | 0 dB to 15 dB | 0 dB to 33 dB |
| **Exposure time** | 6 μs to 1 sec | 540 μs to 200 ms | 6 μs to 1 sec | 540 μs to 200 ms |
| **Pixel format** | Mono 8 | | RGB 8;Mono 8 | |
| **Mono/color** | Mono | | Color | |

| Electrical feature | | | | |
|---|---|---|---|---|
| **Data interface** | Fast Ethernet (100 Mbit/s) | | Fast Ethernet (100 Mbit/s) | |
| **Digital I/O** | 12-pin M12 connector provides power and I/O, including opto-isolated input (LINE 0/1/2) × 3, opto-isolated output (LINE 3/4/5) × 3, and RS-232 × 1<br>Supports triggering device via pressing top trigger button | | 12-pin M12 connector provides power and I/O, including opto-isolated input (LINE 0/1/2) × 3, opto-isolated output (LINE 3/4/5) × 3, and RS-232 × 1<br>Supports triggering device via pressing top trigger button | |
| **Power supply** | 24 VDC | 12 VDC to 24 VDC | 24 VDC | 12 VDC to 24 VDC |
| **Power consumption** | Avg.: 7 W @ 24 VDC (light source enabled) | Avg.: 6.6 W @ 24 VDC (light source enabled) | Avg.: 7 W @ 24 VDC (light source enabled) | Avg.: 6.6 W @ 24 VDC (light source enabled) |
| | Max.: 22 W @ 24 VDC (light source enabled) | Max.: 22 W @ 24 VDC (light source enabled) | Max.: 22 W @ 24 VDC (light source enabled) | Max.: 22 W @ 24 VDC (light source enabled) |
| **Mechanical** | | | | |
| **Lens mount** | M12-mount, mechanical focus supported | | M12-mount, mechanical focus supported | |
| **Focal length** | 8mm;12mm;16mm | | 8mm;12mm;16mm | |
| **Lens cap** | Half-polarized lens cap by default. | | Half-polarized lens cap by default. | |
| **Light source** | White light by default. | | White light by default. | |
| **Aiming system** | 1 LED | 2 LEDs | 1 LED | 2 LEDs |
| **Indicator** | 360° visual indicator | | 360° visual indicator | |
| **Dimension** | 43 mm × 57 mm × 45.9 mm (1.7"" × 2.2"" × 1.8"") | Straight angle: 80.1 mm × 43 mm × 43.5 mm (3.2"" × 1.7"" × 1.7"")<br>Right angle: 58.5 mm × 43 mm × 64.6 mm (2.3"" × 1.7"" × 2.5"") | 43 mm × 57 mm × 45.9 mm (1.7"" × 2.2"" × 1.8"") | Straight angle: 80.1 mm × 43 mm × 43.5 mm (3.2"" × 1.7"" × 1.7"")<br>Right angle: 58.5 mm × 43 mm × 64.6 mm (2.3"" × 1.7"" × 2.5"") |
| **Weight** | Approx. 190 g (0.4 lb.) | | Approx. 190 g (0.4 lb.) | |
| **Ingress protection** | IP65 | IP67 | IP65 | IP67 |
| **Temperature** | Working temperature: 0 °C to 50 °C (32 °F to 122 °F) | | Working temperature: 0 °C to 50 °C (32 °F to 122 °F) | |
| | Storage temperature: –30 °C to 70 °C (–22 °F to 158 °F) | | Storage temperature: –30 °C to 70 °C (–22 °F to 158 °F) | |
| **Humidity** | 20% RH to 95% RH (no condensation) | | 20% RH to 95% RH (no condensation) | |
| **Vibration resistance** | Meets standard IEC 60068-2-6:2007. | | Meets standard IEC 60068-2-6:2007. | |
| | Device only (without installation bracket): 10 Hz to 55 Hz, 1.5 mm peak-to-peak amplitude, 2 hours per axis (X, Y, Z) | | Device only (without installation bracket): 10 Hz to 55 Hz, 1.5 mm peak-to-peak amplitude, 2 hours per axis (X, Y, Z) | |
| **Shock resistance** | Meets standard IEC 60068-2-27:2008. | | Meets standard IEC 60068-2-27:2008. | |
| | Device only (without installation bracket): 30 g / 11 ms, half-sine wave, 500 shocks per axis (6 directions) | | Device only (without installation bracket): 30 g / 11 ms, half-sine wave, 500 shocks per axis (6 directions) | |
| **General** | | | | |
| **Client software** | SCMVS | | | |
| **Certification** | CE, KC | | | |

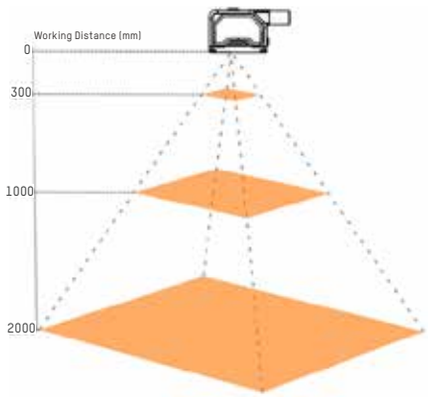
| | Working Distance | Field of View | Pixel Resolution |
|---|---|---|---|
| **SC3016** | 30mm | 24mm*18mm | 0.02mm |
| | 2000mm | 656mm*477mm to 1619mm*1178mm | 0.47mm to 1.15mm |
| **SC3050** | 30mm | 30mm*26mm | 0.01mm |
| | 2000mm | 1034mm*870mm to 2027mm*1707mm | 0.43mm to 0.83mm |
| **SC3013X** | 30mm | 31mm*26mm | 0.03mm |
| | 2000mm | 1049mm*883mm to 2056mm*1732mm | 0.43mm to 0.85mm |
| **SC3030X** | 30mm | 26mm*19mm | 0.01mm |
| | 2000mm | 883mm*662mm to 1372mm*1299mm | 0.43mm to 0.85mm |
| **SC3050X** | 30mm | 31mm*26mm | 0.01mm |
| | 2000mm | 1049mm*883mm to 2056mm*1732mm | 0.43mm to 0.85mm |
| **SC3020X** | 30mm | 19mm*16mm | 0.01mm |
| | 2000mm | 662mm*545mm to 1299mm*1069mm | 0.43mm to 0.85mm |
| **SC3060X** | 30mm | 24mm*14mm | 0.01mm |
| | 2000mm | 799mm*480mm to 1567mm*940mm | 0.25mm to 0.49mm |

## Lens FOV Reference

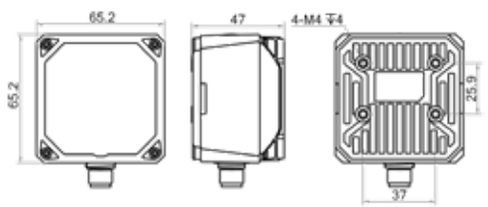
**SC3000**



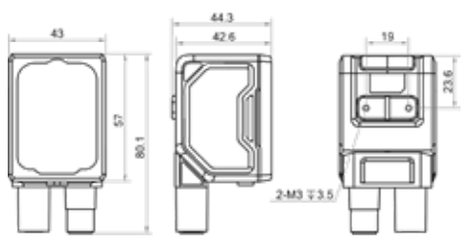

**SC3000X**



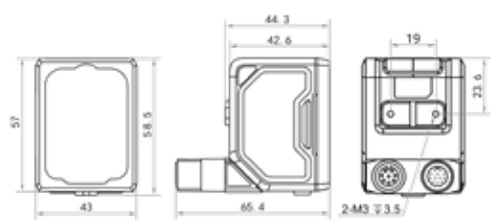

## Dimension




A

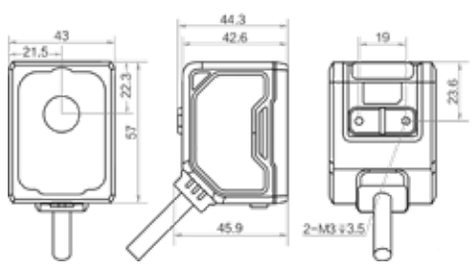



**Straight angle**




**Right angle**

B




C

Unit:mm

# Accessories List

## SC3000 Series Baseline



**SC3016**

1.6MP,
Mono/Color,
6/12/14.8mm Lens

**SC3050**

5MP,
Mono,
8/12/16mm Lens

**Package Included:**

Camera*1
3m Cable*1
(Power supply and data transmission)

## Optional Accessories

### Cable

**M12 to Open+RJ45+DB9**

Standard: 3m/5m/7m/10m/15m
High Flexibility: 3m/5m/7m/10m/15m
Super Flexibility: 5m



**M12 to Open+RJ45F+DB9**

Standard: 3m
High Flexibility: 3m



**M12(Up) to Open + RJ45 + DB9**

Standard: 3/5/10m
High Flexibility: 3m



### Lighting Accessories

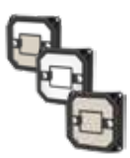


**Internal Light Board**

White Light Board
Blue Light Board
Red Light Board
Near Infrared Light Board
Ultraviolet Light Board

### Lens Cover

Half Polarized Lens Cover
Fully Transparent Lens Cover
Fully Polarized Lens Cover



Diffusion Lens Cover
Near-Infrared Lens Cover
Magnifier Accessory



### Mounting Bracket





Installation Diagram

## Others

Switching Power Supply
24V6.25A,150W
24V2.09A,50W



Desk Power Adapter
24V2.5A,60W



AC Cable
Multiple National Standards



## SC3000X Series Baseline



**SC3050X-S**

1.3/2/3.1/5/6MP,
Mono/Color,
8/12/16mm Lens

**Package Included:**

Camera*1
3m Power IO Cable*1
3m Ethernet Cable*1
Mounting Bracket*1



**SC3050X-S**

5MP,
Mono/Color,
8/12/16mm Lens

**Package Included:**

Camera*1
3m Cable*1
(Power supply and
data transmission)

## Optional Accessories

### SC3000X Cable

**Power IO Cable**

M12 to Open:
Standard: 3m/5m/7m/10m/15m/30m
High Flexibility: 3m/5m/10m/20m



M12 to Open + DB9:
Standard: 3m/5m



**Ethernet Cable**

M12 to RJ45
Standard: 3m/5m/7m/10m/15m/30m
High Flexibility: 3m/5m/10m/20m



### SC3000X-S Cable

M12 to Open+RJ45+DB9:
Standard: 3m/5m/7m/10m/15m
High Flexibility: 3m/5m/7m/10m/15m
Super Flexibility: 5m



M12 to Open+RJ45F+DB9:
Standard: 3m
High Flexibility: 3m



M12(Up) to Open + RJ45 + DB9:
Standard: 3m
High Flexibility: 3m



### Lighting Accessories

**Internal Light Board**

White Light Board
Blue Light Board
Red Light Board
Near Infrared Light Board
Ultraviolet Light Board



**Extended Light Source**

Extended White Light Source



### Lens Cover

Half Polarized Lens Cover
Fully Transparent Lens Cover
Fully Polarized Lens Cover

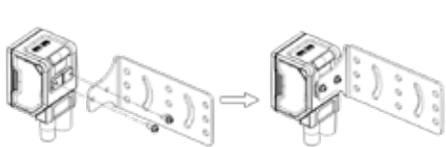


Diffusion Lens Cover
ESD Protection Cover
Magnifier Accessory
YAG Protective Cover



### Mounting Bracket





Installation Diagram

## Others

Switching Power Supply
24V6.25A,150W
24V2.09A,50W



Desk Power Adapter
24V2.5A,60W



AC Cable
Multiple National Standards



**Download All**
Product Catalogs

**Follow Hikrobot**
on Linkedin

HIKROBOT

**China Headquarters:**
No. 630, Qizhi Street, Binjiang District, Hangzhou, Zhejiang Province, China

**South Korea Headquarters:**
F4, Pangyo Yemiji Building, 14-1, Pangyoyeok-ro 192 Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

**Pan-Asia-Pacific Headquarters:**
2 Venture Drive, Vision Exchange, #07-22, 608526, Singapore

**Europe Headquarters:**
Dirk Storklaan 3, 2132 PX Hoofddorp, Netherlands

**Website:** Hikrobotics.com
**Email:** Info@hikrobotics.com

V.101.EN.2603.1

Copyright Hikrobot
Hangzhou Hikrobot Co., Ltd. All Rights Reserved. Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.